

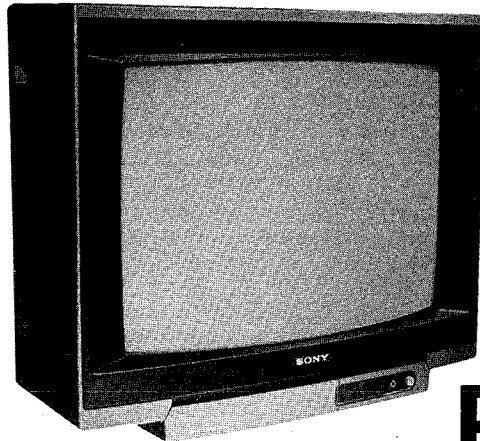
# KV-2730EC

## RM-635

## SERVICE MANUAL

*AEP Model*  
Chassis No. SCC-522F-A

H46



November, 1984

## PE-3 CHASSIS

### SPECIFICATIONS

**Television system:** CCIR TV standards (system B, G and H)  
**Color system:** PAL  
**STEREO system:** Two-carrier system  
**Channel coverage:** VHF channels E2-U20  
UHF channels E21-E68  
**Programing system:** 30 programs  
Automatic programing digital tuning  
**Picture tube:** Approx. 68 cm (27 inches),  
approx. 64 cm screen measured diagonally  
114-degree deflection Trinitron system  
**Antenna:** 75-ohm standard antenna socket  
(DIN 45325/IEC 169-2)  
**Audio output:** 20 W + 20 W (16 $\Omega$ , Music power)  
30 W + 30 W (8 $\Omega$ , Music power)  
**Input:** 21-pin connector in accordance with  
the requirements of CENELEC standard  
**Outputs:** Audio output connector (5-pin DIN)  
Recording output: 1 mVrms/kilohm  
Line output: variable, 0–2 Vrms (max.)  
impedance less than 1 kilohm  
External speaker terminals (2-pin DIN)  
For 8–16 ohm speakers  
Headphones socket for 32-ohm impedance  
headphones

**Power requirements:** 220–240 V ac, 50 Hz  
**Power consumptions:** 150 W  
**Dimensions:** Approx. 668 x 581 x 474 mm (w/h/d)  
**Weight:** Approx. 46.0 kg  
**Accessories supplied:** Remote Commander RM-635 (1)  
**Optional accessories:** SS-2732/2734 speaker system  
OPK-202, SECAM adaptor  
OPK-203, teletext adaptor

Design and specifications subject to change without notice.



TRINITRON® COLOR TV  
**SONY®**

CTV



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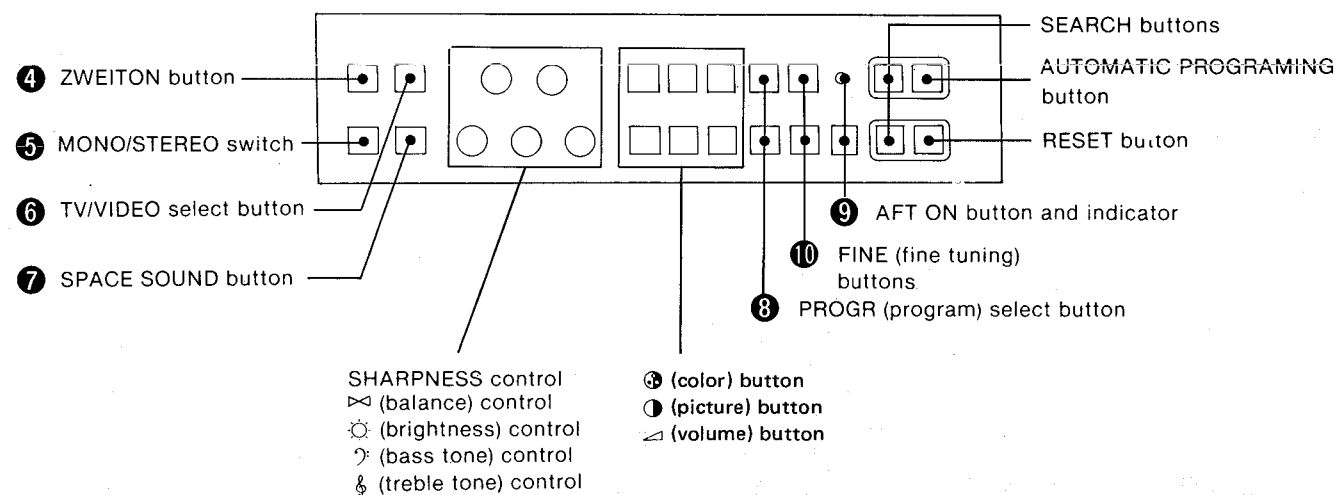
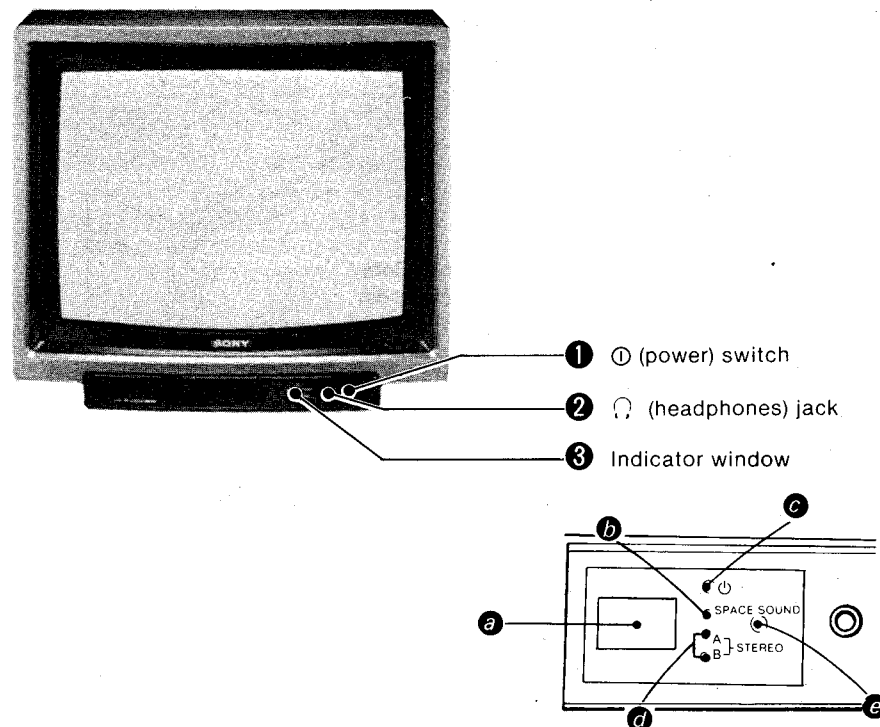
**COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.**



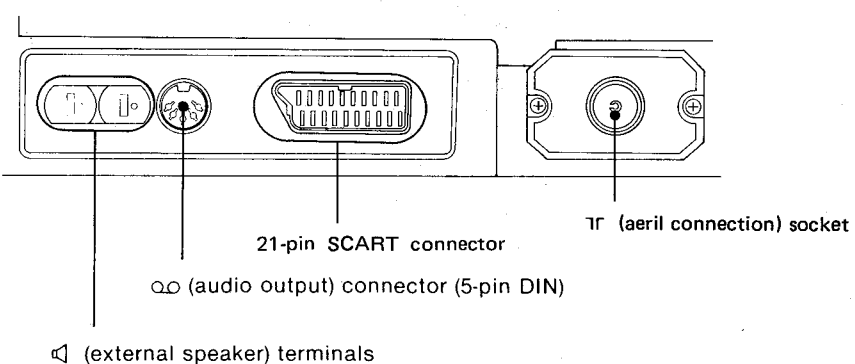
## SECTION 1 GENERAL

### 1-1. LOCATION AND FUNCTION OF CONTROLS

On the front panel



On the rear panel



#### 1 (power) switch

Press to turn the TV on. Press again to turn the power off.

#### 2 (headphones) jack

Connect stereo headphones here. Speaker sound will be disconnected. If your stereo headphones have a stereo miniplug, use an optional plug adaptor. To hear the sound from the speakers, disconnect the headphones.

#### 3 Indicator window

##### a Program indicator

##### b SPACE SOUND indicator

##### c (standby) indicator

Lights up when the TV is turned off with the Remote Commander. When any of the buttons on the Remote Commander is pressed, this lamp blinks.

##### d ZWEITON/STEREO indicators

When a dual-sound program is received, A or B lights up. When a stereo program is received, both indicators light up.

##### e Remote control detector

Point the infrared transmitter of the supplied Remote Commander here.

#### 4 ZWEITON button

When a dual-sound program is received, select the language.

#### 5 MONO/STEREO

Normally set this switch to the depressed STEREO position. Stereo programs can be received. If a stereo program has too much noise, press and release this switch (MONO position). The noise will be reduced, although the stereo feature will be lost.

#### 6 TV/VIDEO select button

When playing back a video tape recorder without a 6-pin DIN connector, press this button so that "VCR" lights in the program indicator. (When playing back a recorder with a 6-pin DIN connector, the video mode is automatically selected.)

#### 7 SPACE SOUND button

Press to get special acoustic effects (for example, more presence). The SPACE SOUND indicator will illuminate. To disengage, press it again.

#### 8 PROGR (program) select buttons

Press either + or - to select a preset program (from positions 1 through 30). Press + for higher numbered programs, and - for lower numbered programs. Programs will be changed continuously in sequence. The selected program number will appear on the program indicator.

#### 9 AFT (automatic fine tuning) ON button and indicator

When the AFT circuit activates, the indicator illuminates. Press the AFT ON button to restore the AFT on the channel which has been fine-tuned manually with the FINE buttons. After the automatic programming is finished, or after a station is tuned and memorized in the manual programming system, the AFT circuit will automatically reactivate.

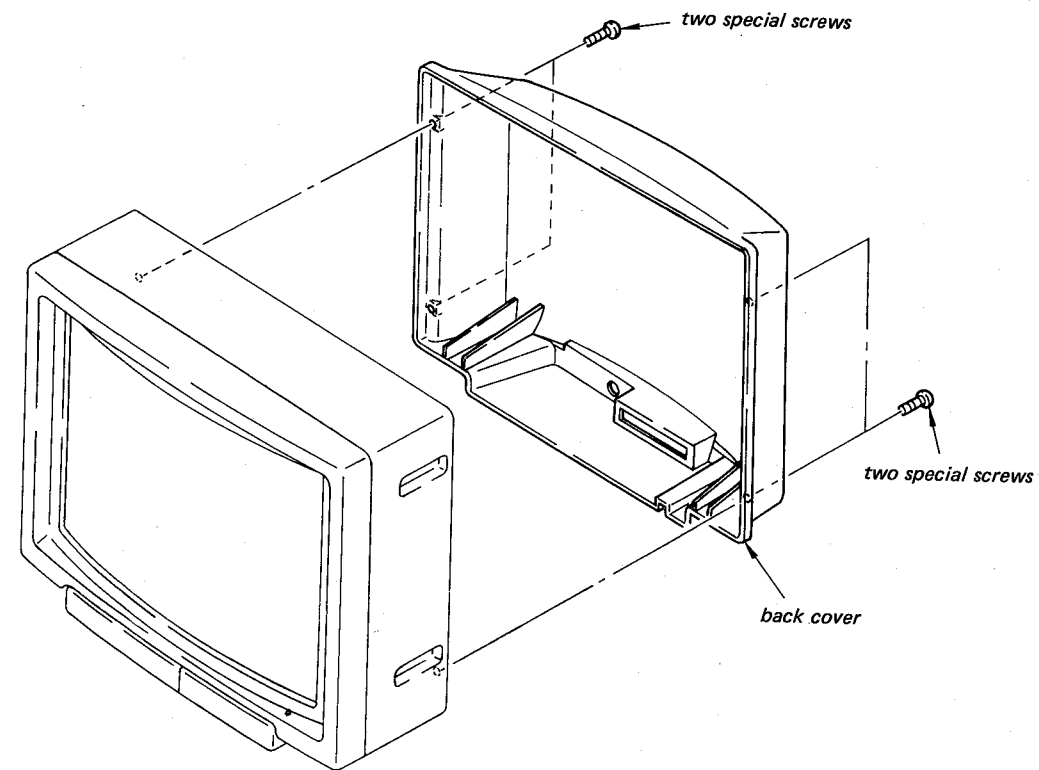
#### 10 FINE (fine tuning) buttons

Keep either + or - depressed to get a clear picture for each unsatisfactory channel. The AFT circuit will be automatically deactivated.

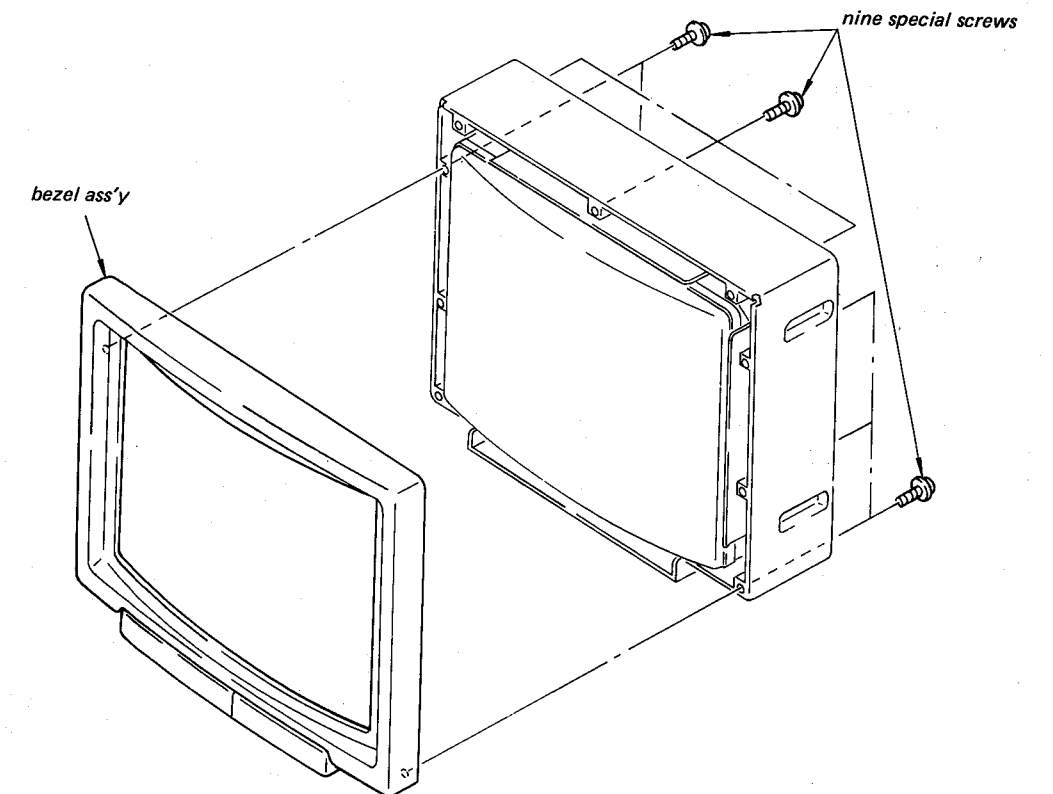


## SECTION 2 DISASSEMBLY

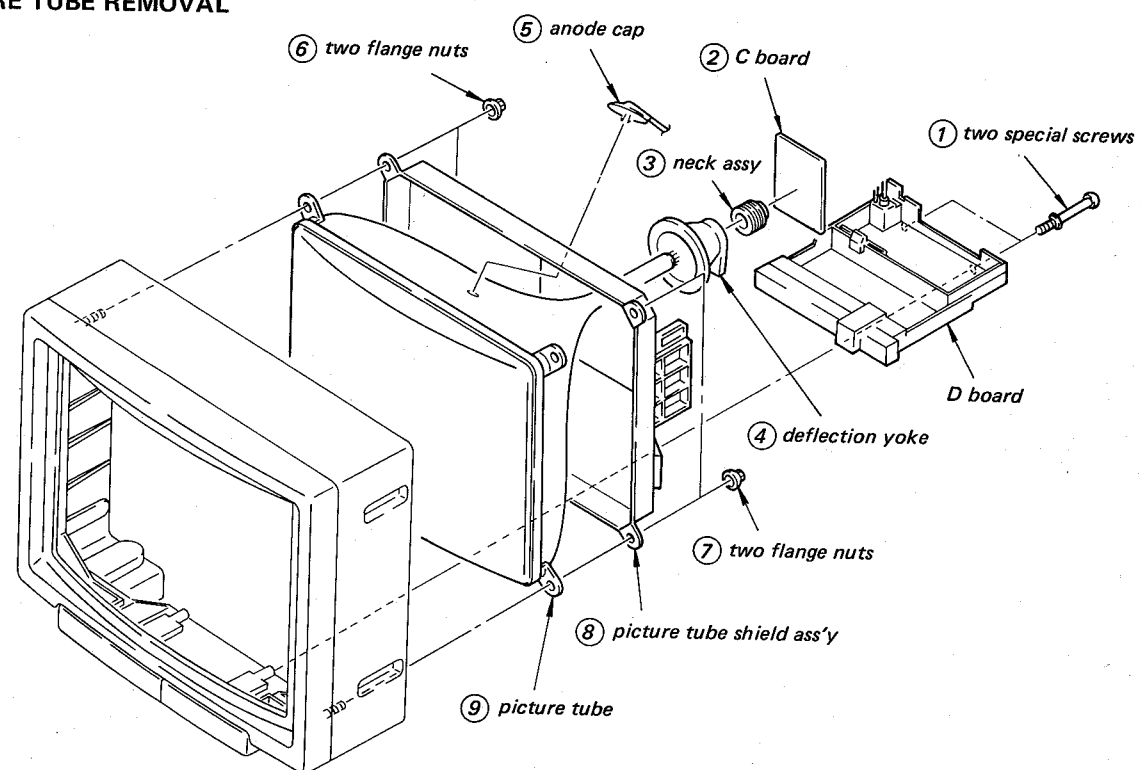
### 2-1. BACK COVER REMOVAL



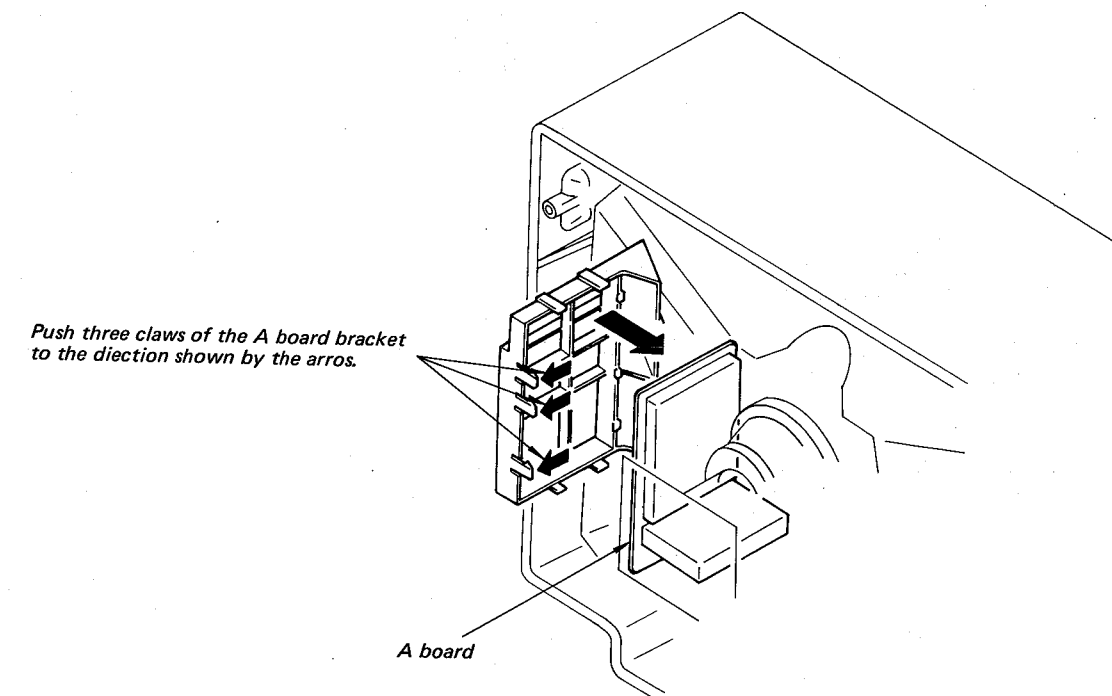
### 2-3. BEZEL ASS'Y REMOVAL



### 2-2. PICTURE TUBE REMOVAL



### 2-4. A BOARD REMOVAL

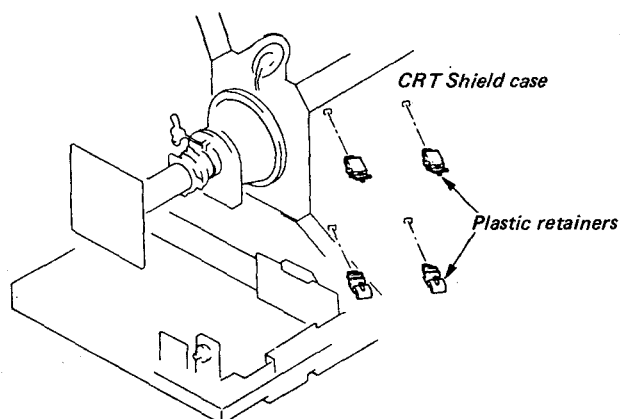




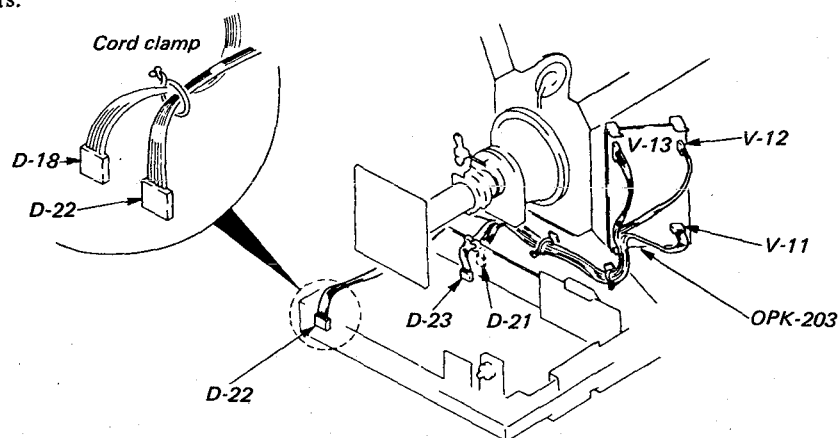
## 2-5. OPK-203 BOARD ATTACHING

- Before installing the OPK-203 unplug the set from the wall outlet.
- After the installation is completed, check that the TV operators properly.
- Cut out the JW-81 of the OPK-203.

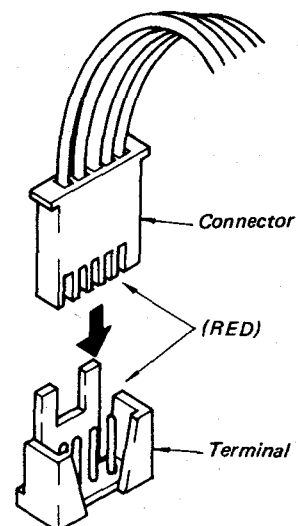
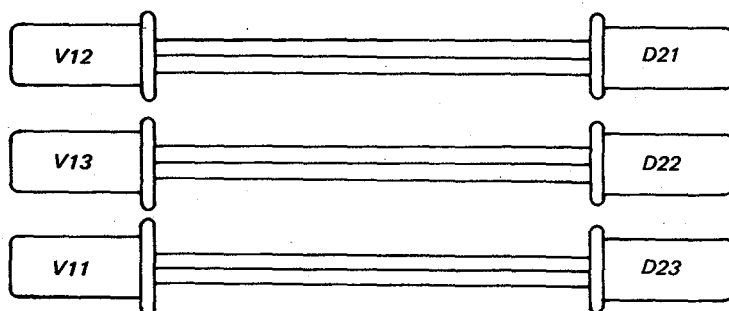
1. Attach the four plastic retainers to the CRT shield case.



2. Attach the OPK-203 to the retainers, and connect connectors.

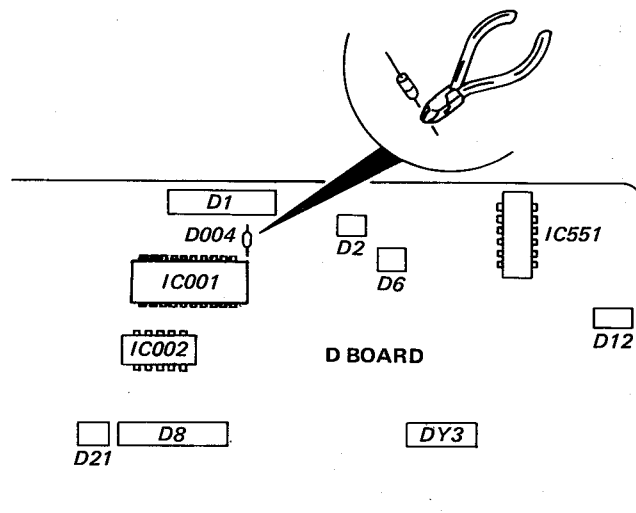


3. Connector to the same number terminal as the connector.  
Connected terminals are coloured red.





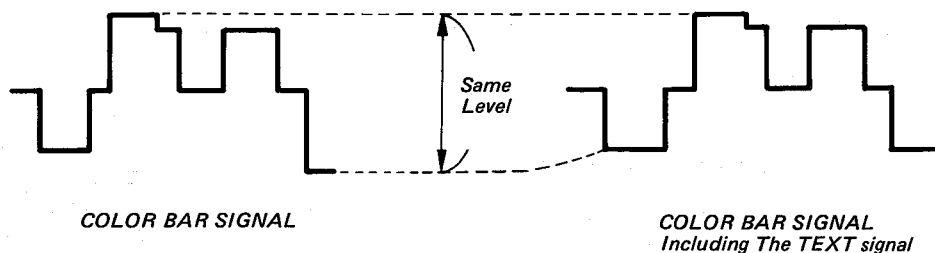


4. Cut out the D004 of the D board.



#### 5. ADJUSTMENT

- (1) Set the  (picture) button of the minimum and  (brightness) control of the mechanical center.
- (2) Receive the COLOR BAR signal.
- (3) Connect the Oscilloscope to the Red input of C board.
- (4) Receive the COLOR BAR signal including the TEXT signal.
- (5) Press the TEXT button on the remote commander.
- (6) Adjust RV-3 for a same level of Red input as shown below.

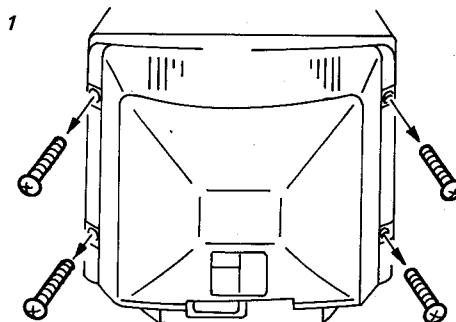


6. Attach the rear panel.

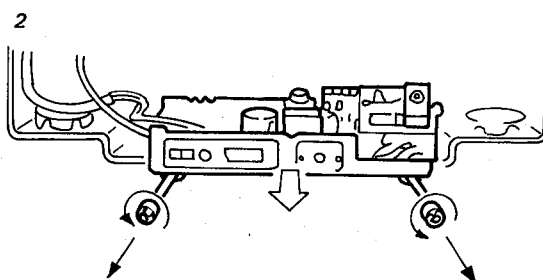


## 2-6. OPK-202 BOARD ATTACHING

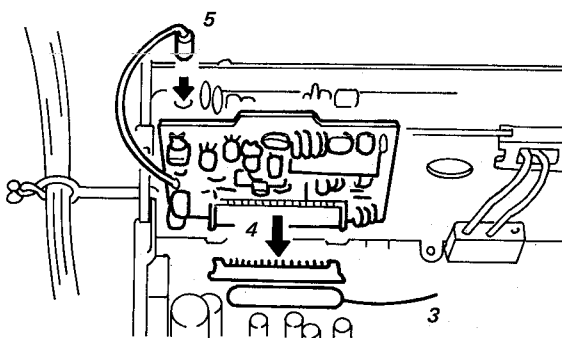
1. Unscrew and remove the rear panel.



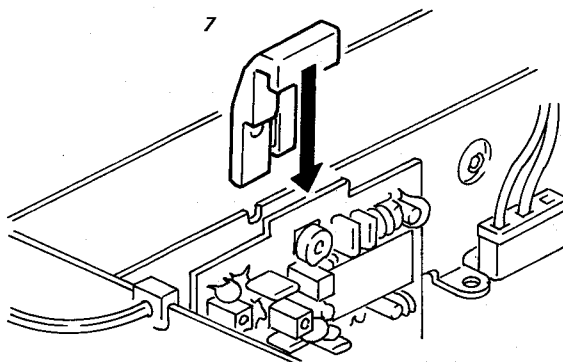
2. Unfasten the screws and pull out the main D-board. When cords are clamped, unfasten the plastic retainers. So that the main D-board can be withdrawn easily.



3. Cut off the five soldered connections marked SCM; JW208, 209, 210, 211, 213 on the D-board.
4. Insert the adaptor into the D-20 board as shown.
5. Insert the connector to the D-24 on the board.
6. Connect the power plug and check that the SECAM program is displayed in color.



7. Secure the adaptor with the supplied adaptor holder.
8. Disconnect the plug again and reinstall the main D-board and cords as they were and tighten the screws on the board and rear panel.





## SECTION 3 SETUP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

- (picture) button ..... maximum  
(Press ● + button)
- ☀ (brightness) control ..... maximum  
(fully clockwise)
- AFT switch ..... ON

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. White Balance
4. Focus (RV902)

**Note:** Test Equipment Required.

1. Color-bar/Pattern Generator
2. Degausser

### 3-1. BEAM LANDING

**Preparation:**

- Feed in the white pattern.
- Before starting, degauss the entire screen.

1. Loosen deflection yoke screw.
2. Adjust purity control as shown in Fig. 3-1.
3. Slide deflection yoke as far forward as it will go.
4. Position neck ass'y as shown in Fig. 3-2.
5. Disconnect leads ⑥ and ③ on the C board.
6. Adjust purity control to center vertical red band as shown in Fig. 3-3.
7. Slide deflection yoke back for a uniform red screen.
8. Check green and blue rasters for uniformity by performing the same way as steps 5, 6 and 7.

To get a uniform green screen, connect lead ⑥ on the C board and disconnect leads ③ and ⑤.

To get a uniform blue screen, connect lead ⑤ on the C board and disconnect leads ③ and ⑥.

After these checks, connect the leads ③, ⑤ and ⑥.

9. Tighten the deflection yoke screw.
10. Check if mislanding appears at corners a - d as shown in Fig. 3-4. If mislanding is observed, correct it as shown in Fig. 3-4.
11. Confirm that beam landing is correct when the receiver is faced in all directions.

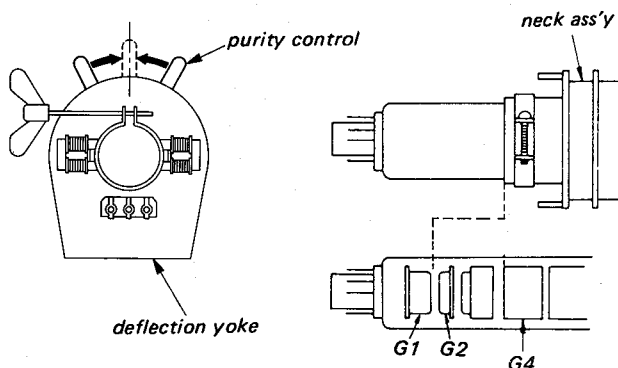


Fig. 3-1.

Fig. 3-2.

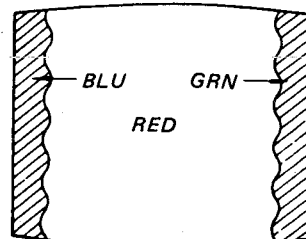


Fig. 3-3.

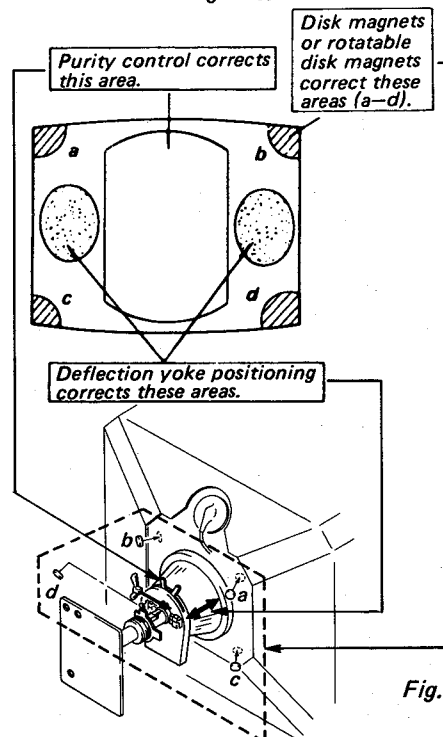
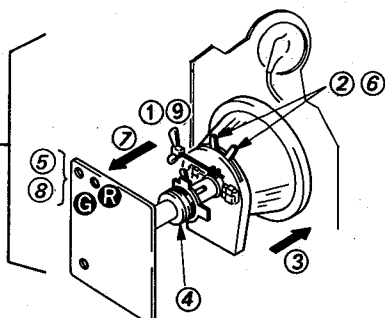


Fig. 3-4.

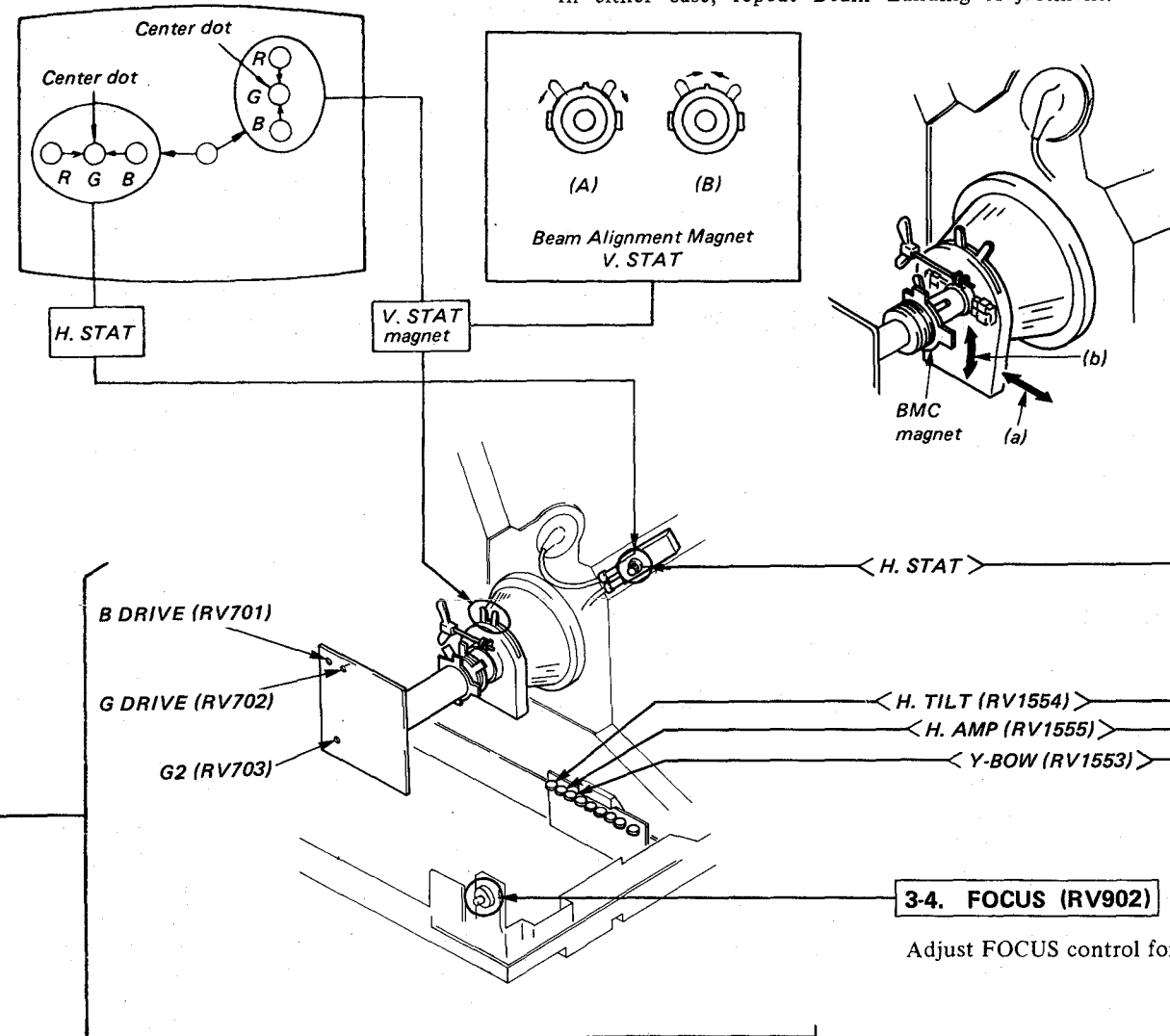


**Note:** The circled numbers (1)-(9) show above steps.



**3-2. CONVERGENCE****Preparation:**

- Before starting this adjustment, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Turn BRIGHTNESS control fully counterclockwise.
- Feed in a dot pattern.

**(1) Horizontal and Vertical Static Convergence**

If blue dot does not coincide with red and green dots, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

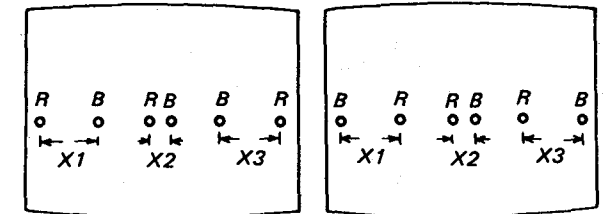
Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.

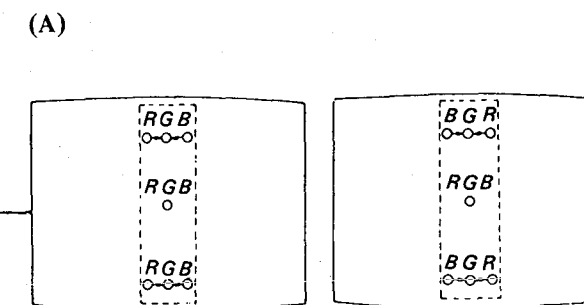
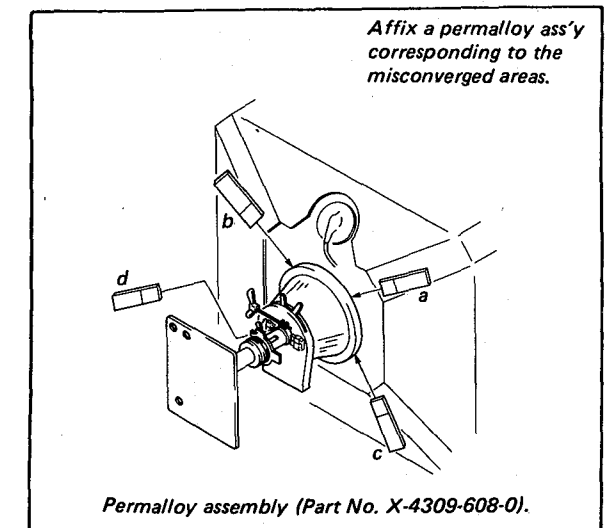
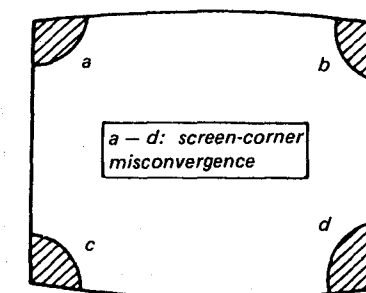
**(2) Dynamic Convergence**

[Misconvergence at Both Sides of Screen.]

1. Set RV1555 and RV1554 to mechanical center.
2. Adjust H. STAT control so that green and blue dots coincide at center of screen.
3. Adjust RV1544 so that X1 is equal to X3.
4. Adjust RV1555 so that X2 is equal to X3.
5. Repeat above Steps 1 through 4 two or three times.



[Top and Bottom Misconvergence]

**(3) Screen-corner Convergence****3-3. WHITE BALANCE**

1. Tune in an off air signal.
2. Set the (BRT) control at mechanical center and (PIC) button at initial center.
3. Set the (COL) button at minimum.
4. Adjust White Balance with RV701 and RV702.
5. Confirm that White Balance does not change to turn the (BRT) control minimum through maximum.



## SECTION 4 CIRCUIT ADJUSTMENTS

### Note: (1) TEST EQUIPMENT REQUIRED

1. Oscilloscope
2. Digital multimeter
3. Color-bar/pattern generator

### (2) INPUT SIGNAL

When making these adjustments, supply a color-bar or an off-air signal.

### (3) CONTROL SETTINGS

Controls and switches should be set as follows when, making checks and adjustments unless otherwise noted.

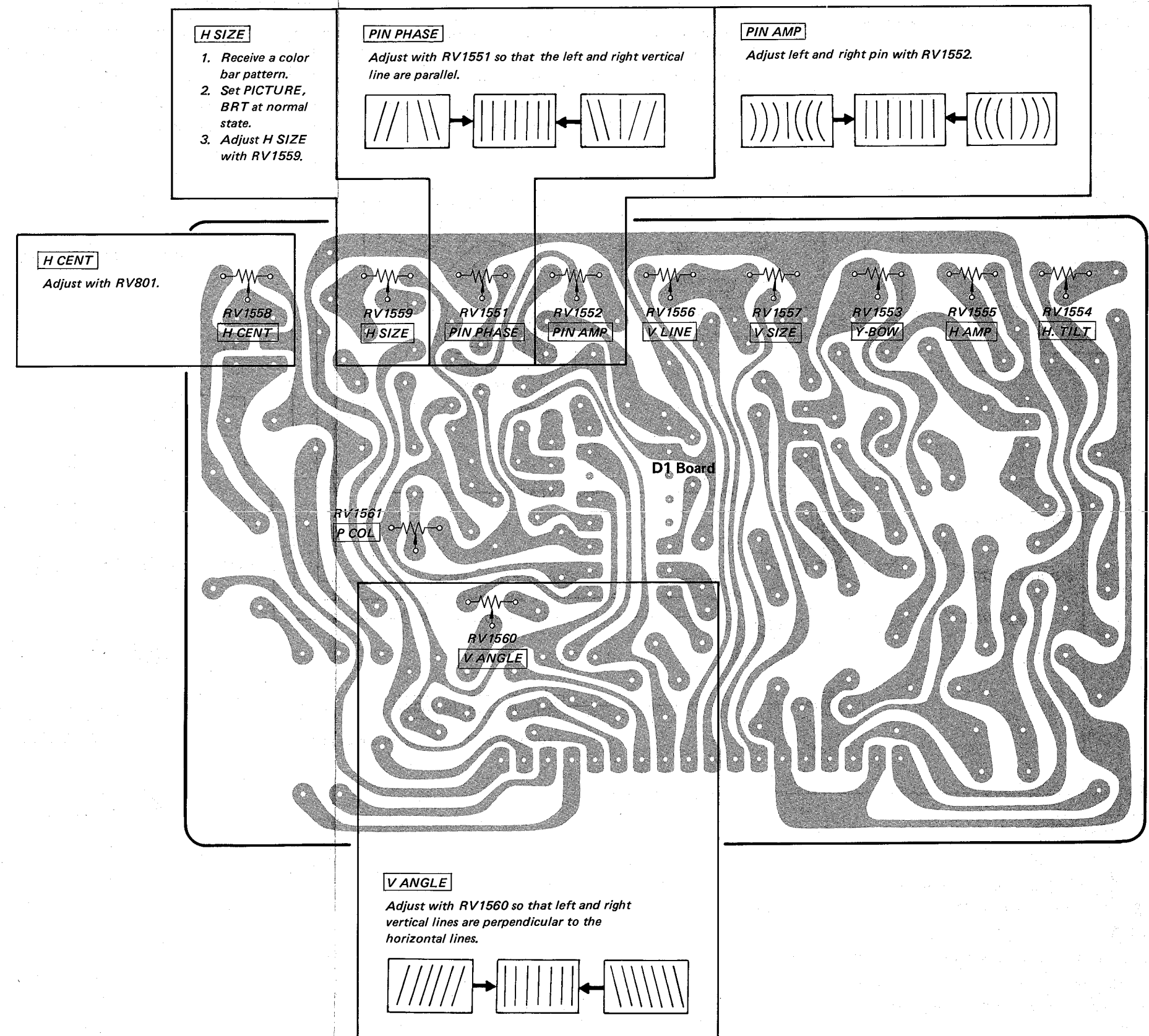
- ① PICTURE button ..... initial setting
- ② BRIGHTNESS control ... mechanical center
- ③ COLOR button ..... initial setting

(4) These adjustment should be performed with the rated power supply voltage unless otherwise noted.

### (5) CIRCUIT ADJUSTMENT

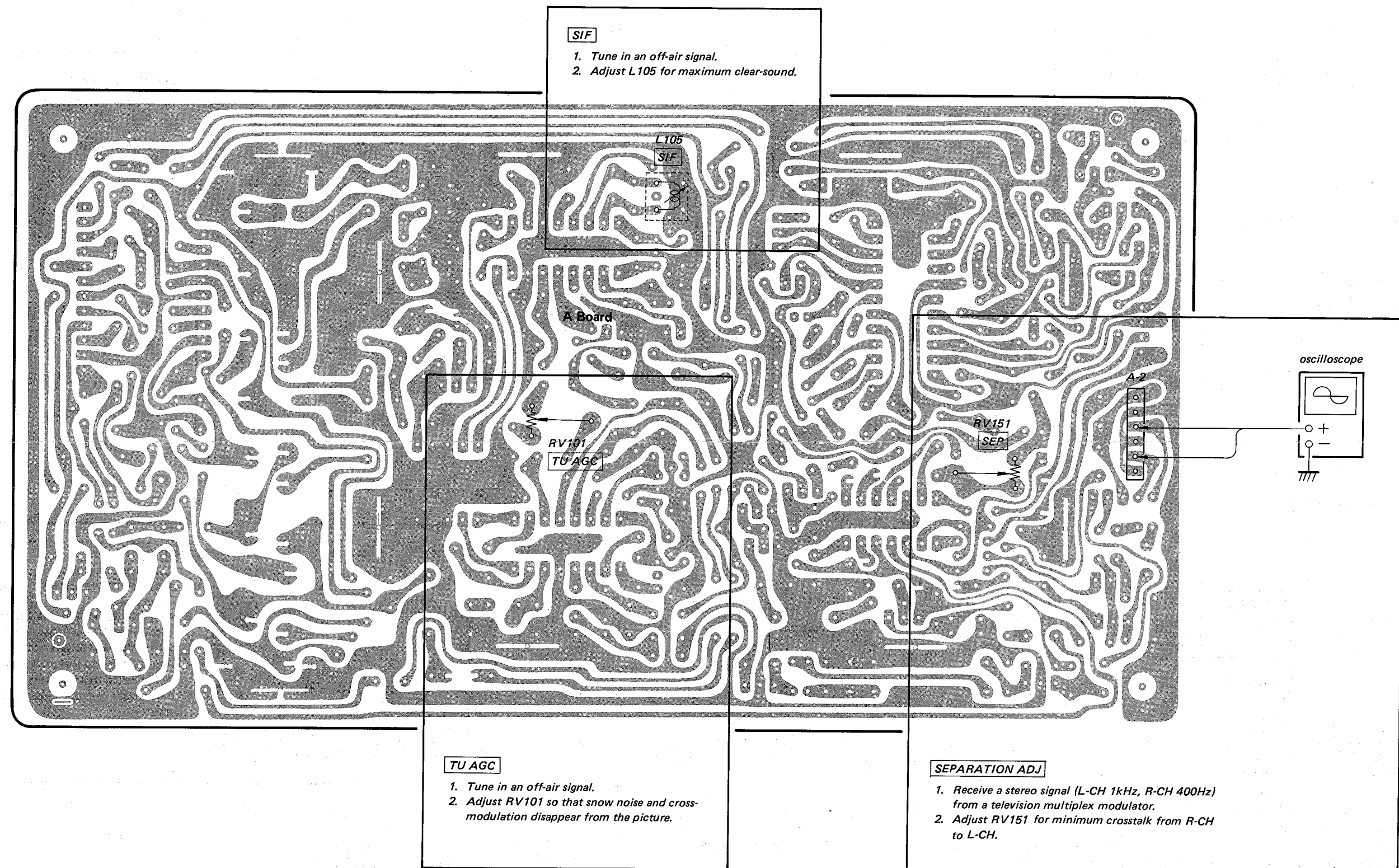
Adjustment	Circuit Board	Page
H SIZE PIN PHASE PIN AMP H CENT V ANGLE	D1	13, 14
SIF TU AGC SEPARATION	A	15, 16
1H DL ADJUSTMENT 4.43MHz TRAP SUB-BALANCE SUB-BRIGHT APC ADJUSTMENT SUB COLOR +135V ADJUSTMENT HORIZONTAL SYNC	D	17, 18

### 4.1. D1 BOARD ADJUSTMENT





#### 4-2. A BOARD ADJUSTMENTS





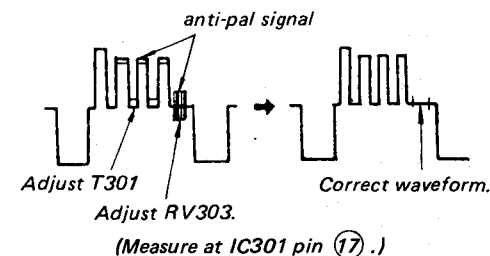
## 4-3. D BOARD ADJUSTMENTS

**SUB BALANCE**

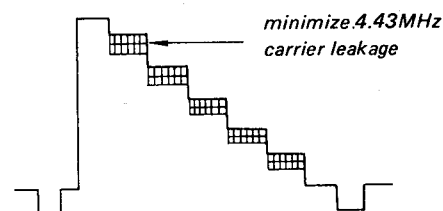
1. S/S switch at OFF and BALANCE, BASS, TREBLE control at mechanical center.
2. Adjust with RV251 (SUB BALANCE) so that left and right levels are the same at D-15, D-16.
3. Turn BALANCE control to the right and confirm that the left side cannot be heard, that turn to the left and confirm that the right side cannot be heard.

**1H DL ADJUSTMENT**

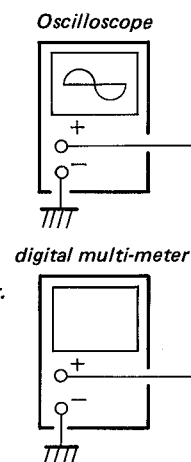
1. Receive a color bar signal.
2. Observe blue output of IC301, (17) pin.
3. Set the PICTURE, COLOR and BRT control to mechanical center.
4. Get tracking with both T301 and RV301 as shown

**4.43MHz TRAP**

1. Feed in a color-bar signal from the color-bar/pattern generator.
2. Adjust 4.43MHz trap for minimum 4.43MHz component.

**SUB BRIGHT**

1. Receive a dot signal.
2. Set BRT control at mechanical center.
3. Adjust to  $2.0 \pm 0.2V$  with RV302. (Measure at IC301 pin (1) )

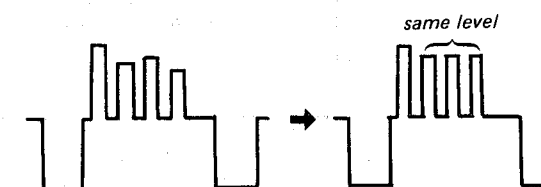
**APC ADJUSTMENT**

1. Receive a color bar signal.
2. Set the PICTURE, COLOR and BRT control to mechanical center.
3. Connect Resistor (100k $\Omega$ ) between pin (1) and pin (2) of IC301.

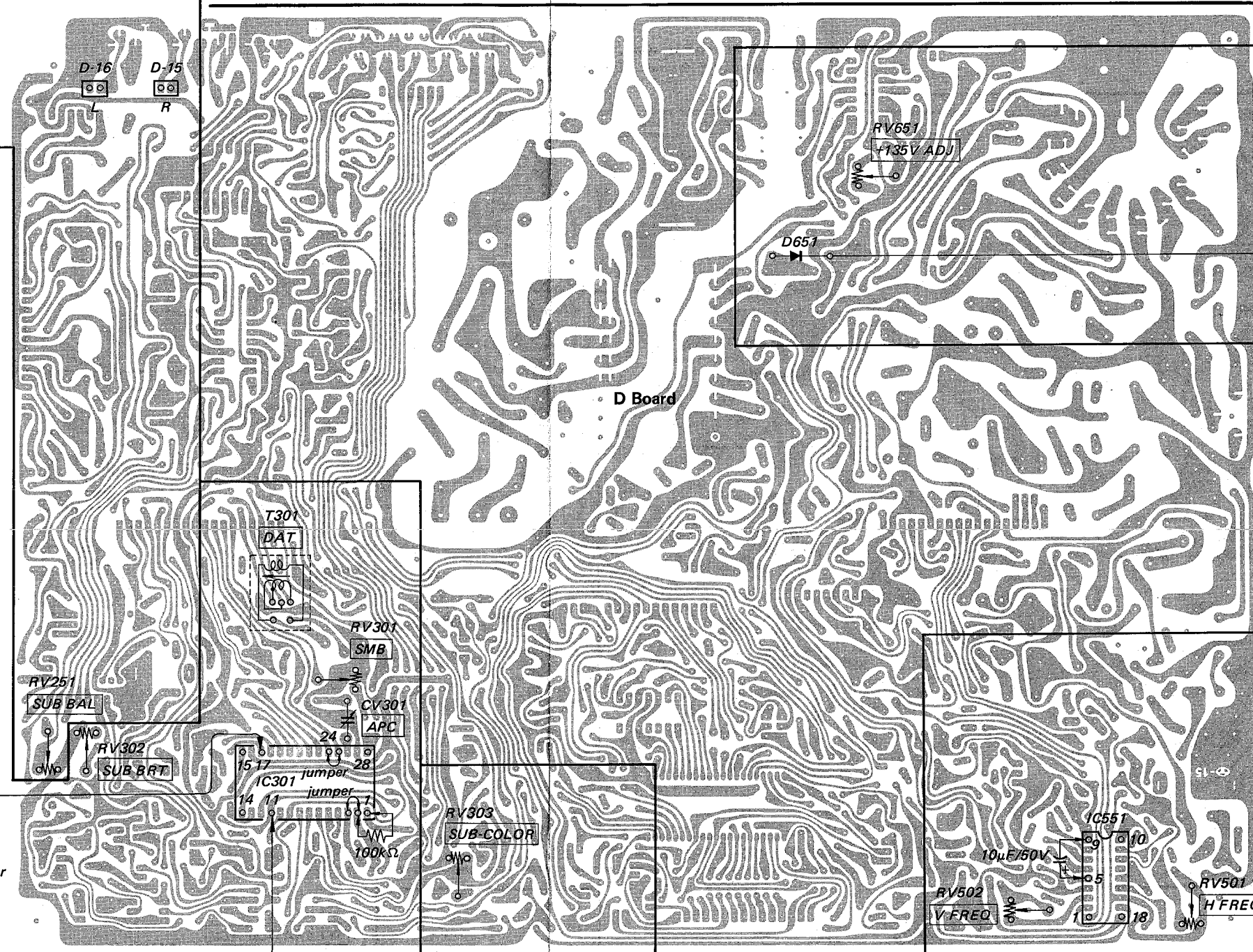
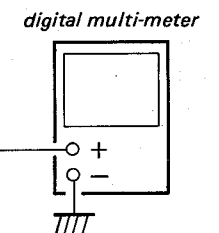
4. Short-circuit between the pin (2) and pin (3), pin (24) and pin (25) of IC301 with a jumper.
5. Adjust CV301 to obtain the stable color picture
6. Disconnect the 100k $\Omega$  resistors and the jumper.

**SUB COLOR**

1. Receive a color bar signal.
2. Set the each VRs at 50%.
3. Adjust RV303 for same level from IC301 pin (17) as shown.

**+135V ADJUSTMENT**

Adjust to 135V with RV651.

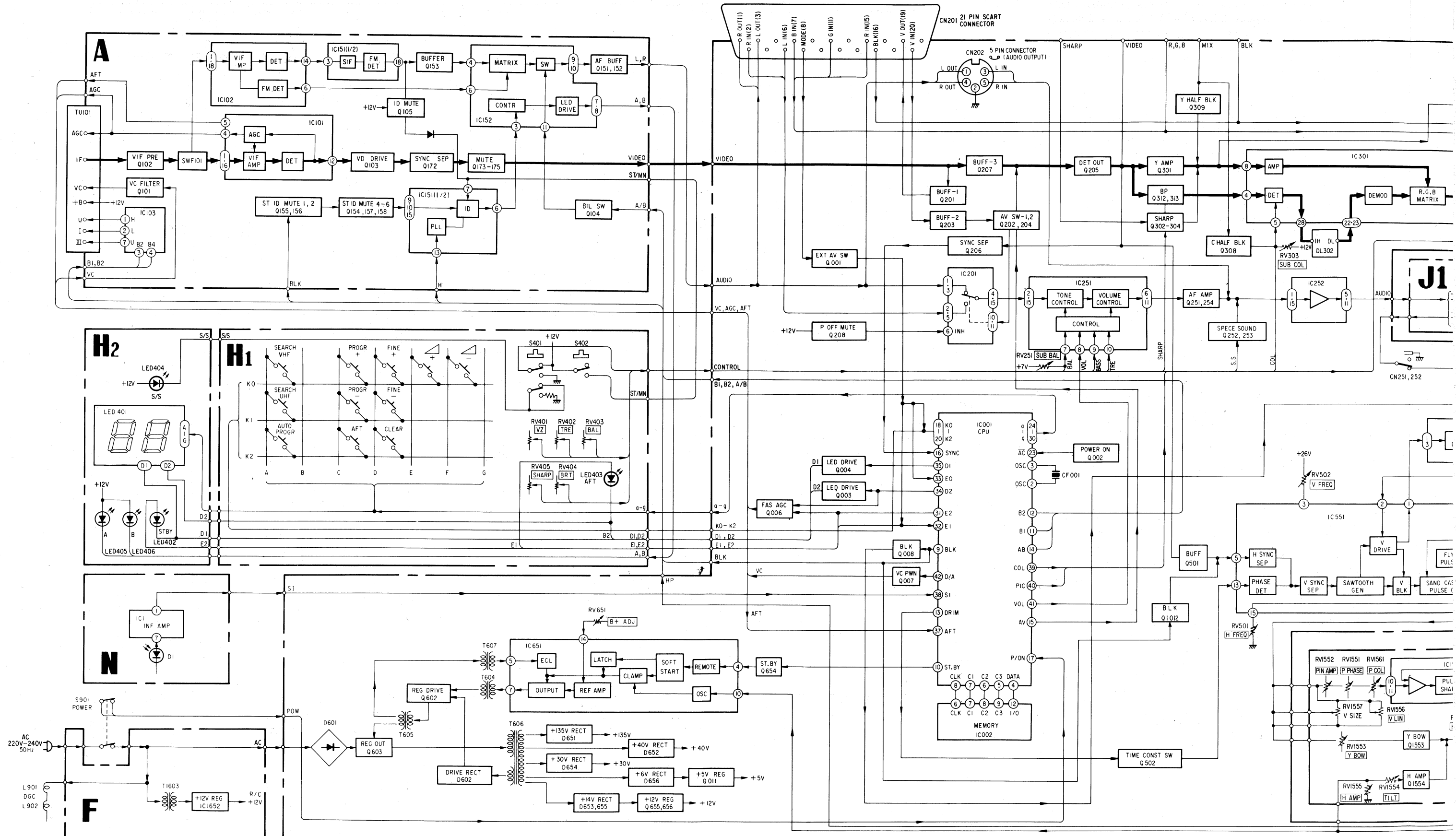
**HORIZONTAL Sync**

1. Tune in an off-air signal.
2. Set the PICTURE and BRT control to initial state.
3. Connect a 10 $\mu F$ /50V chemical capacitor between IC501 pin (5) and ground, and set H OSC for free run.
4. Adjust RV501 so that picture flowing in horizontal direction stops.
5. Reconnect a chemical capacitor from IC501.



SECTION 5  
DIAGRAMS

## 5-1. BLOCK DIAGRAM

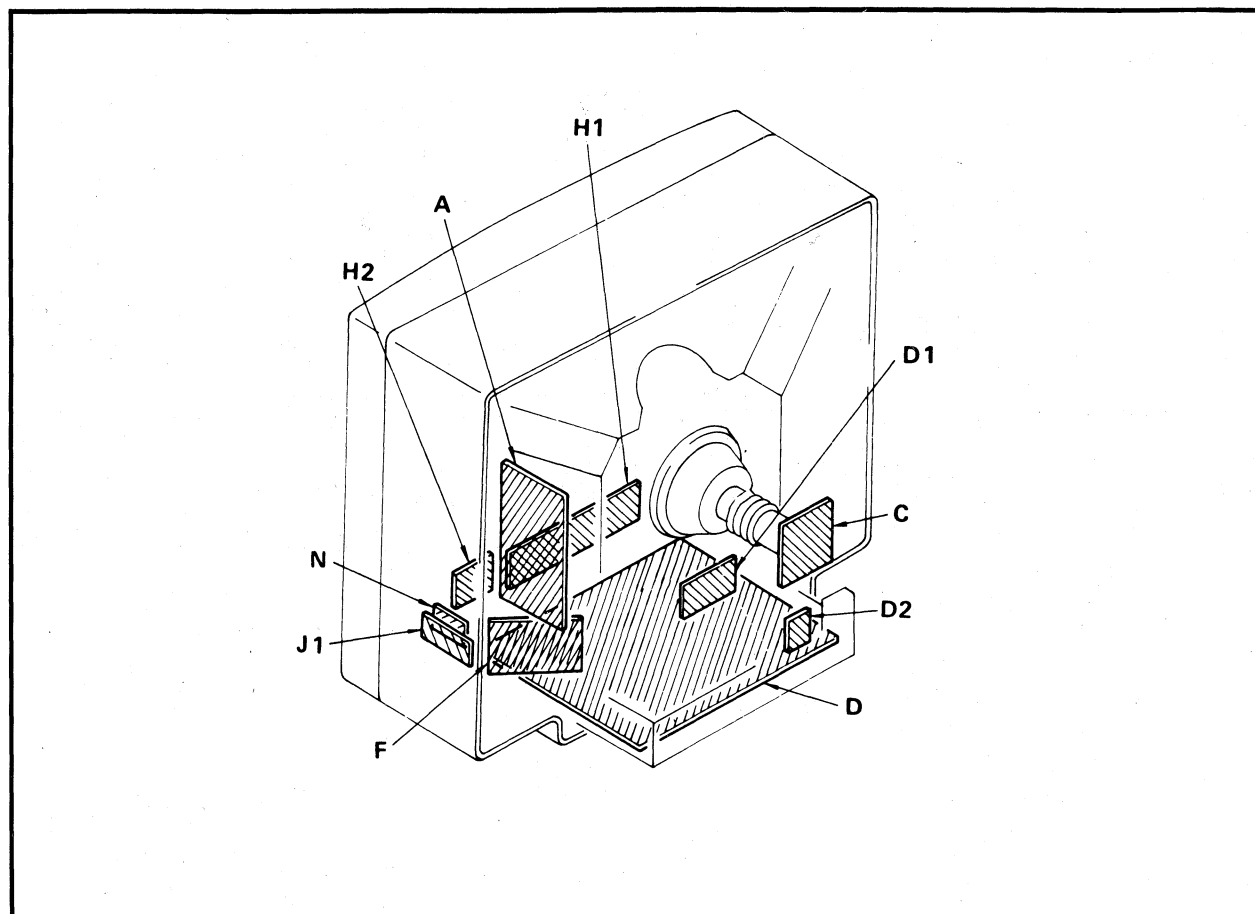








## 5-2. CIRCUIT BOARDS LOCATION

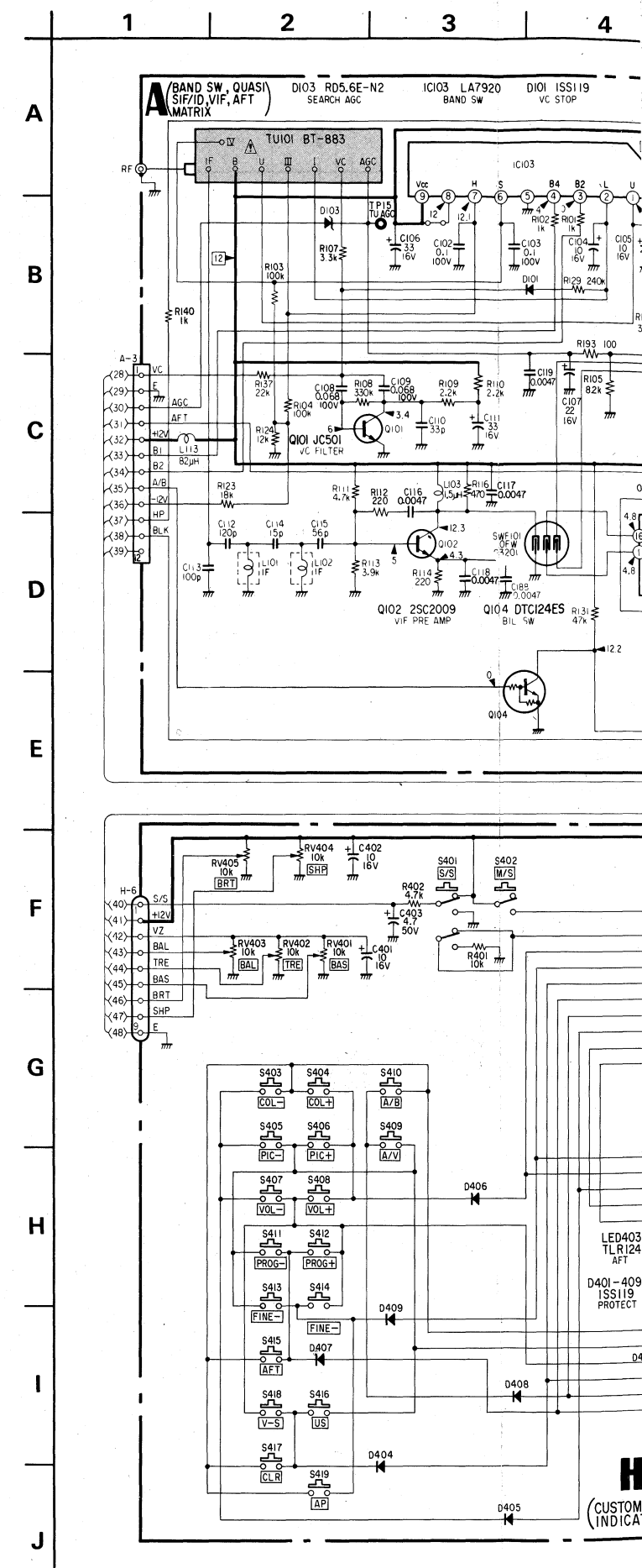


## 5-3. SCHEMATIC DIAGRAM

Note: The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.


## Note:

- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{F}$  50WV or less are not indicated except for electrolytics
- C board and D board resistors are in ohms,  $\frac{1}{4}$  W unless otherwise noted, and other boards are in ohms,  $\frac{1}{6}$  W unless otherwise noted. k : 1000  $\Omega$ ; M : 1000 k $\Omega$
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation.
- : adjustment for repair.
- All voltage are in V.
- : B+ bus.
- : B- bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10 M $\Omega$  digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltages on A and H<sub>1</sub> boards are taken under conditions below.
  - The channel 2 is selected.
  - VOLUME control is set to no sound position.
  - PICTURE control is set to the first stage.(The first stage is the condition when the POWER switch sets to ON.)
- Waveform on A board is taken with controls set to the first stage.
- Voltage variations may be noted due to normal production tolerances.










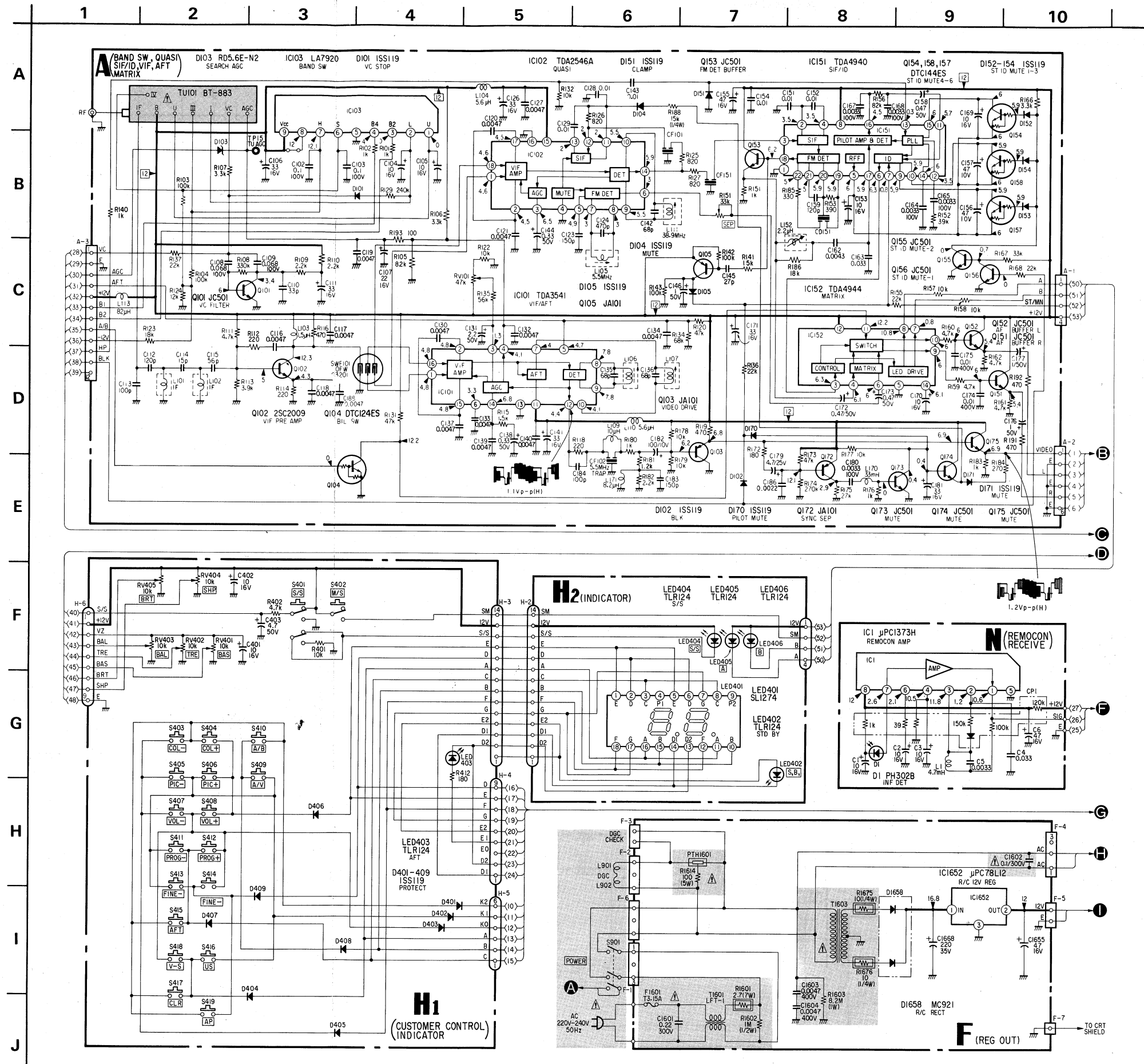


## 5-3. SCHEMATIC DIAGRAM

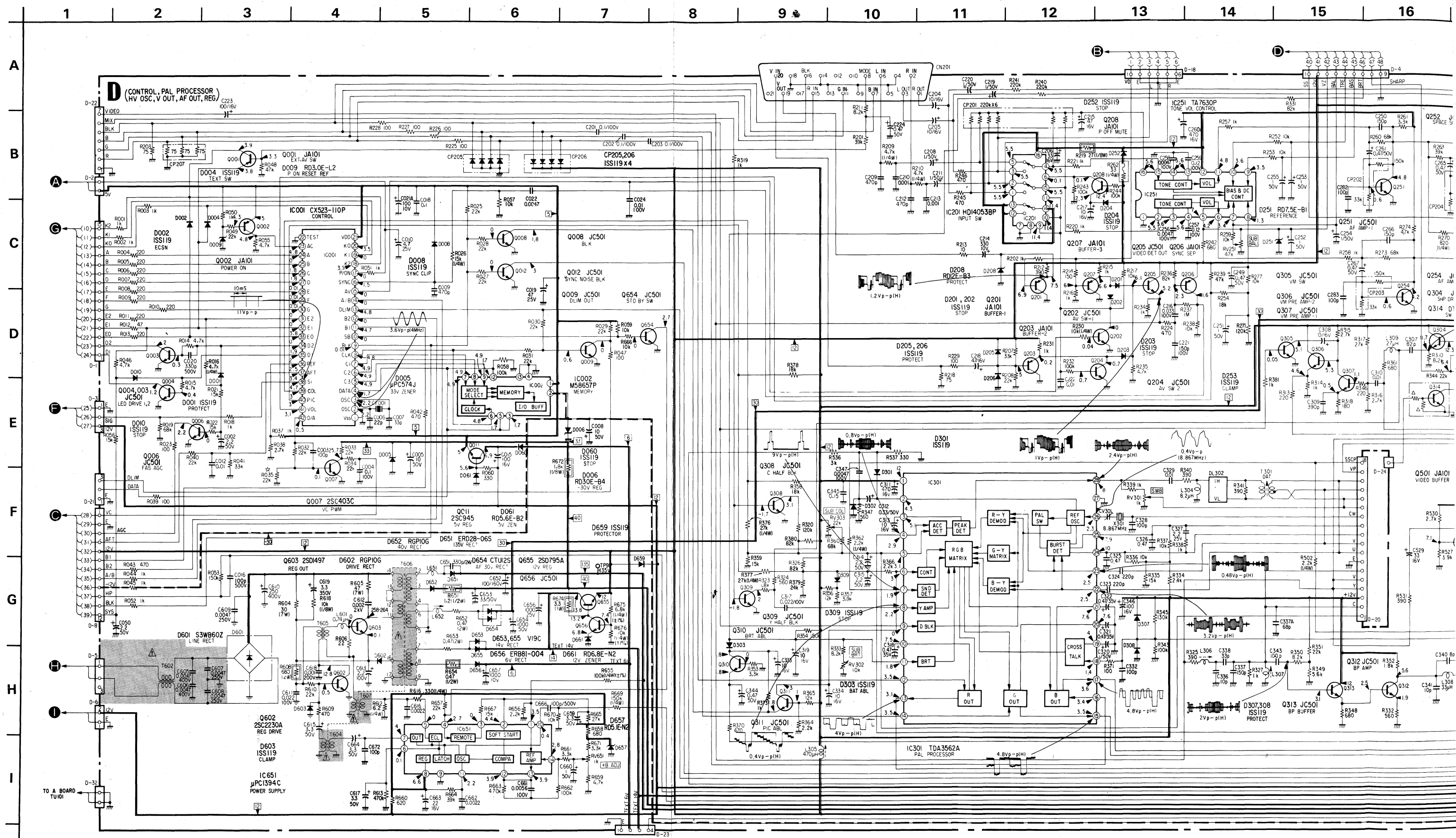
Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

## Note:

- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{F}$  50WV or less are not indicated except for electrolytics
- C board and D board resistors are in ohms,  $\frac{1}{4}$  W unless otherwise noted, and other boards are in ohms,  $\frac{1}{6}$  W unless otherwise noted, k : 1000  $\Omega$ ; M : 1000 k $\Omega$
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
-  : nonflammable resistor.
-  : fusible resistor.
-  : internal component.
-  : panel designation.
-  : adjustment for repair.
- All voltage are in V.
-  : B+ bus.
-  : B- bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10 M $\Omega$  digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltages on A and H<sub>1</sub> boards are taken under conditions below.
  - The channel 2 is selected.
  - VOLUME control is set to no sound position.
  - PICTURE control is set to the first stage. (The first stage is the condition when the POWER switch sets to ON.)
- Waveform on A board is taken with controls set to the first stage.
- Voltage variations may be noted due to normal production tolerances.











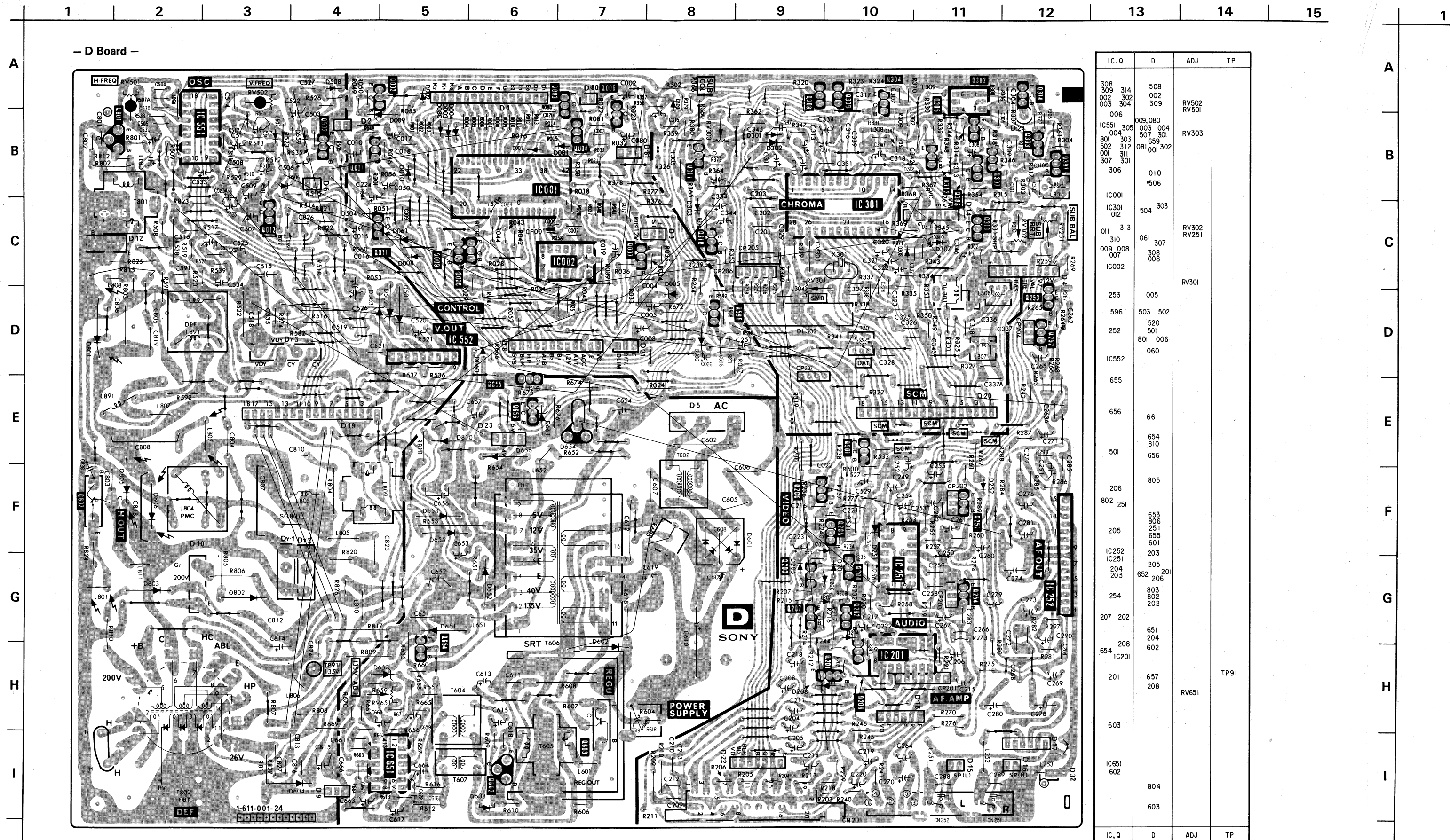


– Conductor side –

[CONTROL, PAL PROCESSOR  
HV OSC, V OUT, AF OUT, REG]

# D

D





1

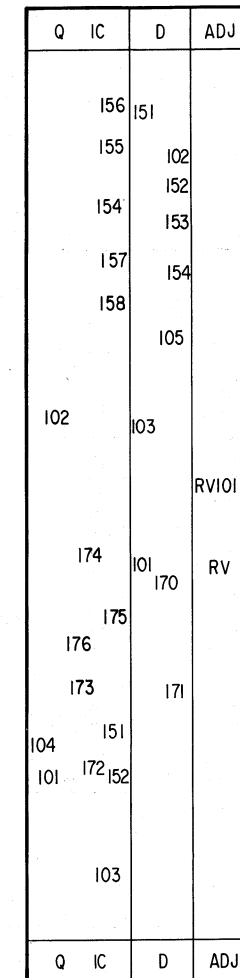


Diagram of the Sony D2 camera body showing internal components and controls. The diagram includes labels for various parts: HP (High Power), F (Focal Length), C1891 (Control 1891), L1892 (Lens 1892), D FOCUS (Distance Focus), D31 (Distance 31), T1892 (Target 1892), DFT (Distance Focus Target), and a large rectangular area labeled 1-611-015-11. The Sony logo and model name D2 are prominently displayed at the bottom.

159507311 1.613 720.11

A B

H1

SM 12V

SB

LED 402

SS

LED 404

A

LED 405

B

LED 406

H2

SONY

D2

D1

E2

G

F

B

C

A

D

E

12V SM

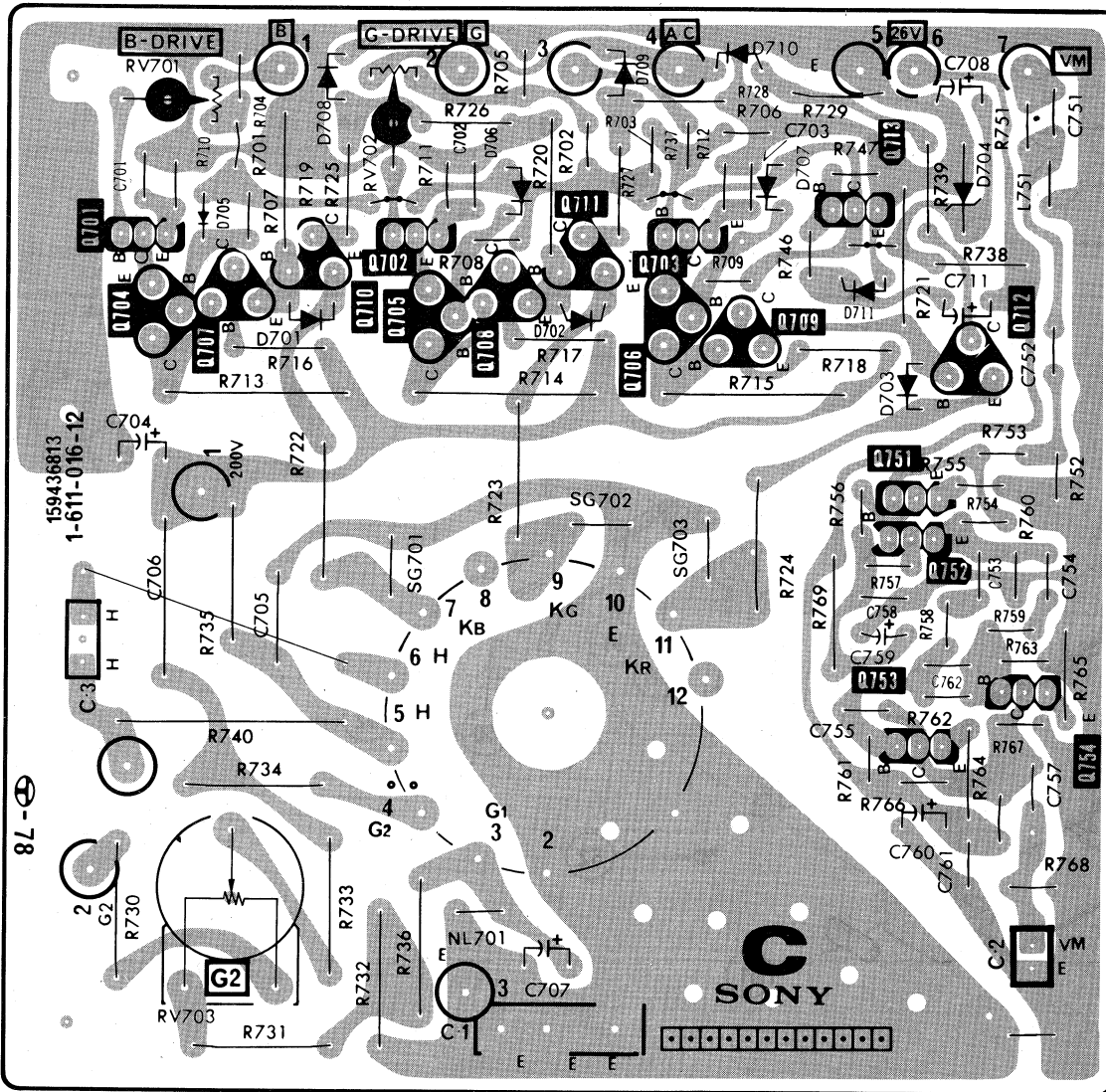
H2



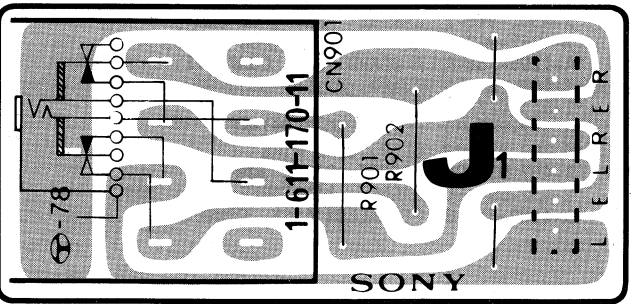
**C** [R, G, B OUT]  
[VM OUT] **J1** [AF OUT]

9 10 11 12 13 14 15

— C Board —



— J<sub>1</sub> Board —



5-5. SEMICONDUCTORS

<b>CX523-110P</b>  (Top view)	<b>TDA4944</b> <b>μPC1394C</b>  (Top view)	<b>2SC2009</b>  B E C	<b>IS1555</b> <b>1SS133</b> <b>1SS99</b> <b>ERB43-02</b> <b>ERD28-06S</b> <b>RD12E-B3</b> <b>RD13E-B2</b> <b>RD3.0E-B4</b> <b>RD3.0E-B4</b> <b>RD3.0E-L2</b> <b>RD5.1E-N2</b> <b>RD5.6E-B2</b> <b>RD5.6E-N2</b> <b>RD6.8E-N2</b> <b>RD7.5E-B1</b>  cathode	<b>MC921</b>  anode 1 cathode 2 <b>PH302B</b>  anode cathode	<b>CTU12S</b>  anode cathode
<b>LA7920</b>  1 2 3 4 5 6 7 8 9	<b>HD14053BP</b> <b>M58657P</b> <b>TA7630P</b> <b>TDA1082A</b> <b>TDA3541</b> <b>μPD4053BC</b>  μPC574J	<b>2SC2958</b> <b>2SD774</b>  2SC403C	<b>ISS119</b> <b>1SS148</b>  anode	<b>S3WB60Z</b>  anode cathode	
<b>SL1247</b>  16 15 14 13 12 11 10 9 1 2 3 4 5 6 7 8 (Top view)	<b>μPC1373H</b>  anode cathode	<b>2SC2278</b>  E C B	<b>EQB01-13</b> <b>ERB81-004</b> <b>ERC24-065</b>  anode	<b>GL9PR24</b> <b>SLP161B</b>  anode cathode	
<b>STK4362</b>  1 2 3 4 5 6 7 8 9 10 (Marking side view)	<b>2SA1091</b> <b>2SA773</b> <b>2SC2230A</b> <b>2SC2551</b> <b>2SC945</b> <b>2SD788</b> <b>JA101</b> <b>JC501</b>  2SA1175 2SC2785	<b>2SD1138-02C</b> <b>2SD795A</b>  2SD1497 2SD1497-06	<b>EQA01-22R2</b> <b>EQA01-24R2</b> <b>RG10G</b>  cathode	<b>TLR124</b>  anode cathode	
<b>TDA2546A</b> <b>TDA2578A</b>  (Top view)	<b>2SC124ES</b>  B C E	<b>SG264A</b>  cathode gate	<b>ERC26-15S</b>  anode	<b>V19C</b> <b>V30V</b>  anode	
<b>TDA3562A</b>  (Top view)	<b>2SB740</b> <b>2SC2230</b> <b>JC501</b>  2SC1963	<b>GP08B</b>  cathode anode	<b>ERD29-04</b> <b>ERD29-08J</b>  cathode	<b>V30N</b>  anode	
<b>TDA3652</b>  1 2 3 4 5 6 7 8 9	<b>2SC1963</b>  B C E	<b>DTC144ES</b>  cathode anode			
<b>TDA4940</b>  (Top view)	<b>2SC1963</b>  B C E				



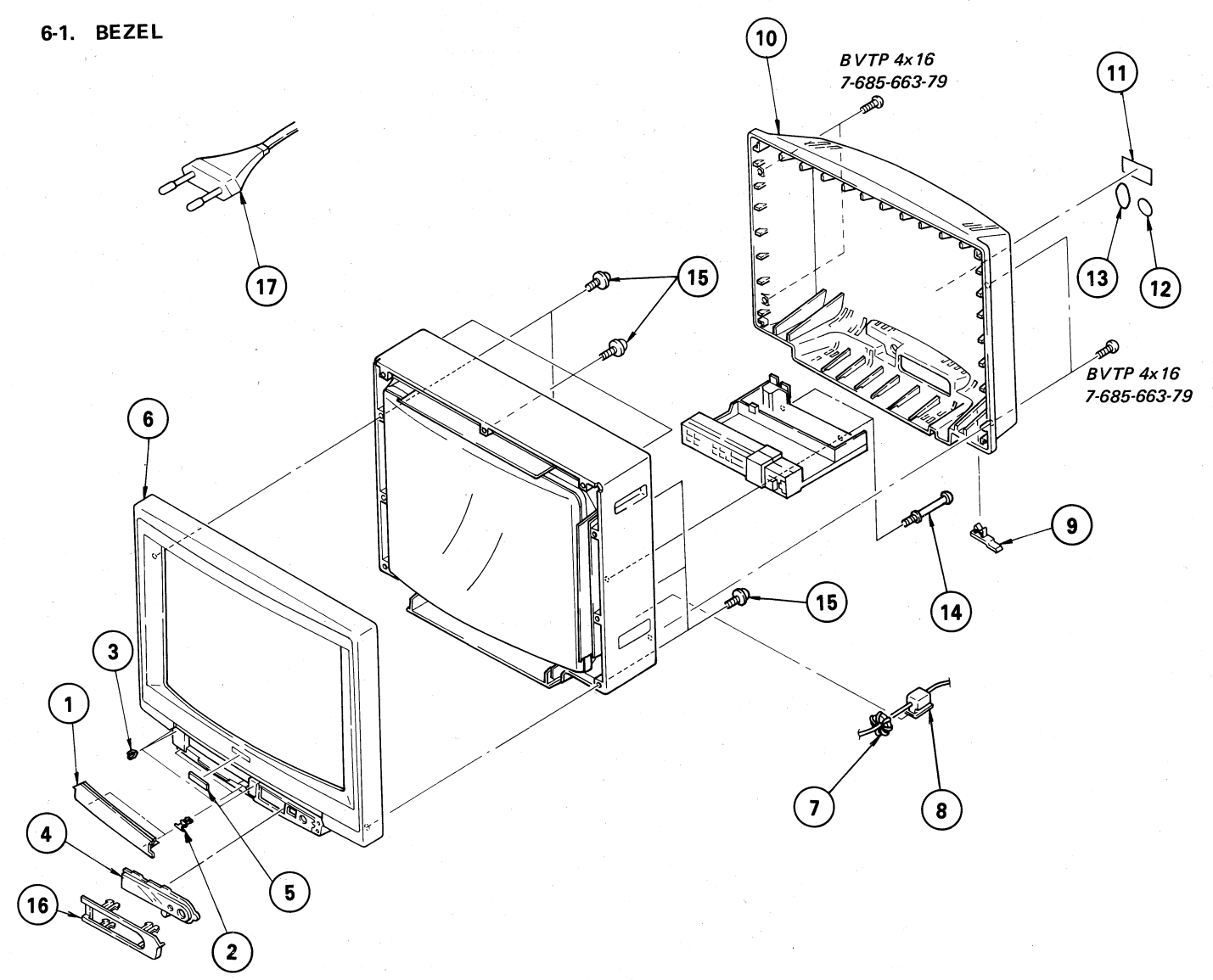
SECTION 6  
EXPLODED VIEWS

NOTE:  
• Items with no part number and no description are not stocked because they are seldom required for routine service.  
• The construction parts of an assembled part are indicated with a collation number in the remark column.

• Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

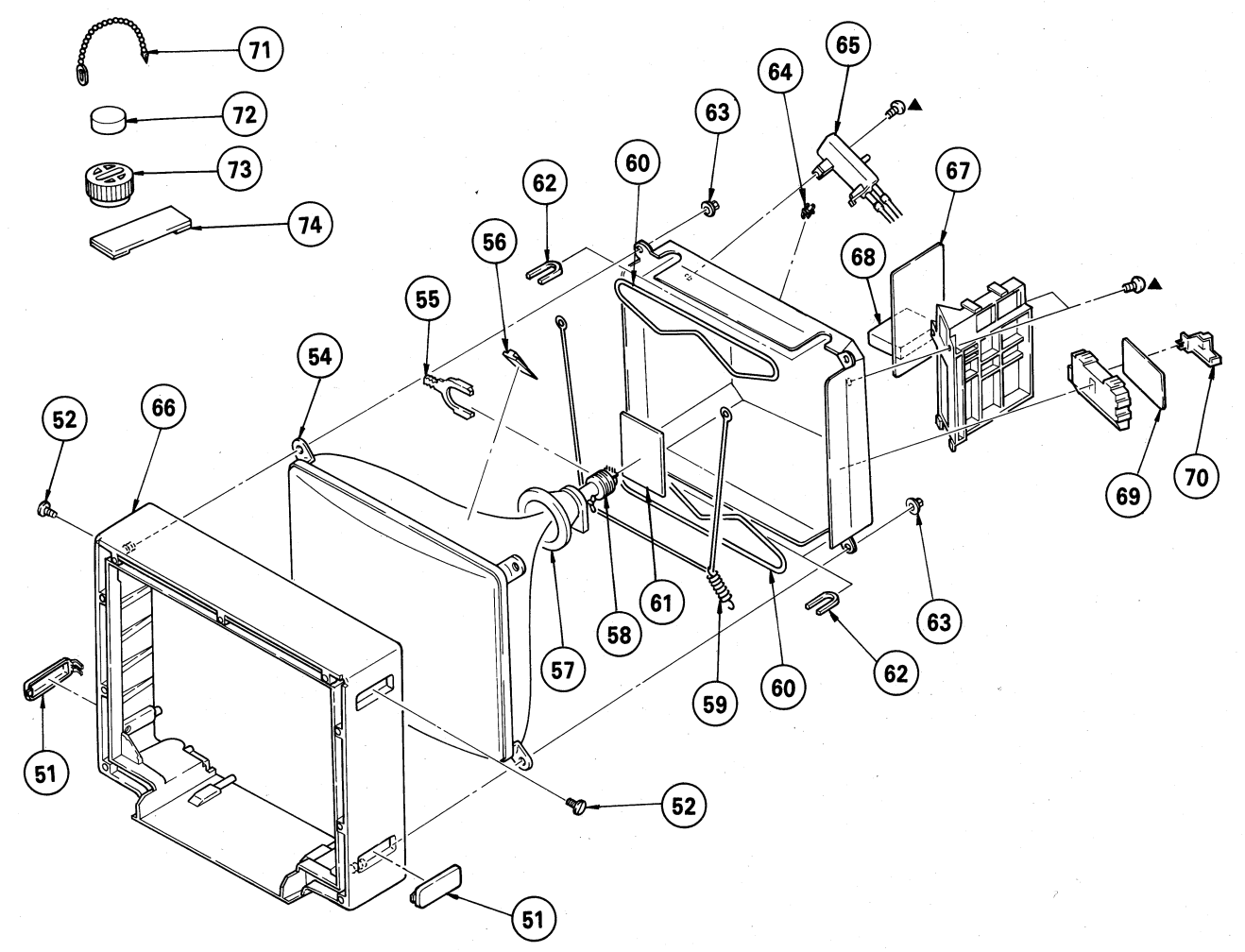
6-1. BEZEL



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4361-938-1	DOOR ASSY (FOR GRAY)		10	4-361-927-11	COVER, BACK (FOR WHITE)	
2	X-4361-938-2	DOOR ASSY (FOR WHITE)		11	4-361-927-21	COVER, BACK (FOR GRAY)	
3	4-361-905-00	SHAFT, DOOR		12	*4-369-740-01	LABEL, MODEL NUMBER	
4	4-342-511-00	CATCHER, LID		13	4-310-380-00	LABEL, DEMKO	
5	4-369-739-01	WINDOW, ORNAMENTAL		14	3-703-269-00	LABEL, SEV	
6	4-374-115-01	EMBLEM, SONY		15	4-363-671-00	SCREW (DIA.4), SPECIAL	
7	X-4361-939-1	BEZEL ASSY (FOR GRAY)	3,5	16	4-309-749-00	SCREW, TAPPING, +PW4X20	
8	X-4361-939-2	BEZEL ASSY (FOR WHITE)	3,5	17	4-369-738-01	PLATE, ORNAMENTAL (FOR GRAY)	
9	1-543-179-00	CORE, RING			4-369-738-11	PLATE, ORNAMENTAL (FOR WHITE)	
	▲4-022-115-01	HOLDER, AC CORD			▲1-551-270-11	CORD, POWER	
	4-329-127-00	CLAMP, CORD					

6-2. CABINET

▲; BVTP 4x16 7-685-663-71



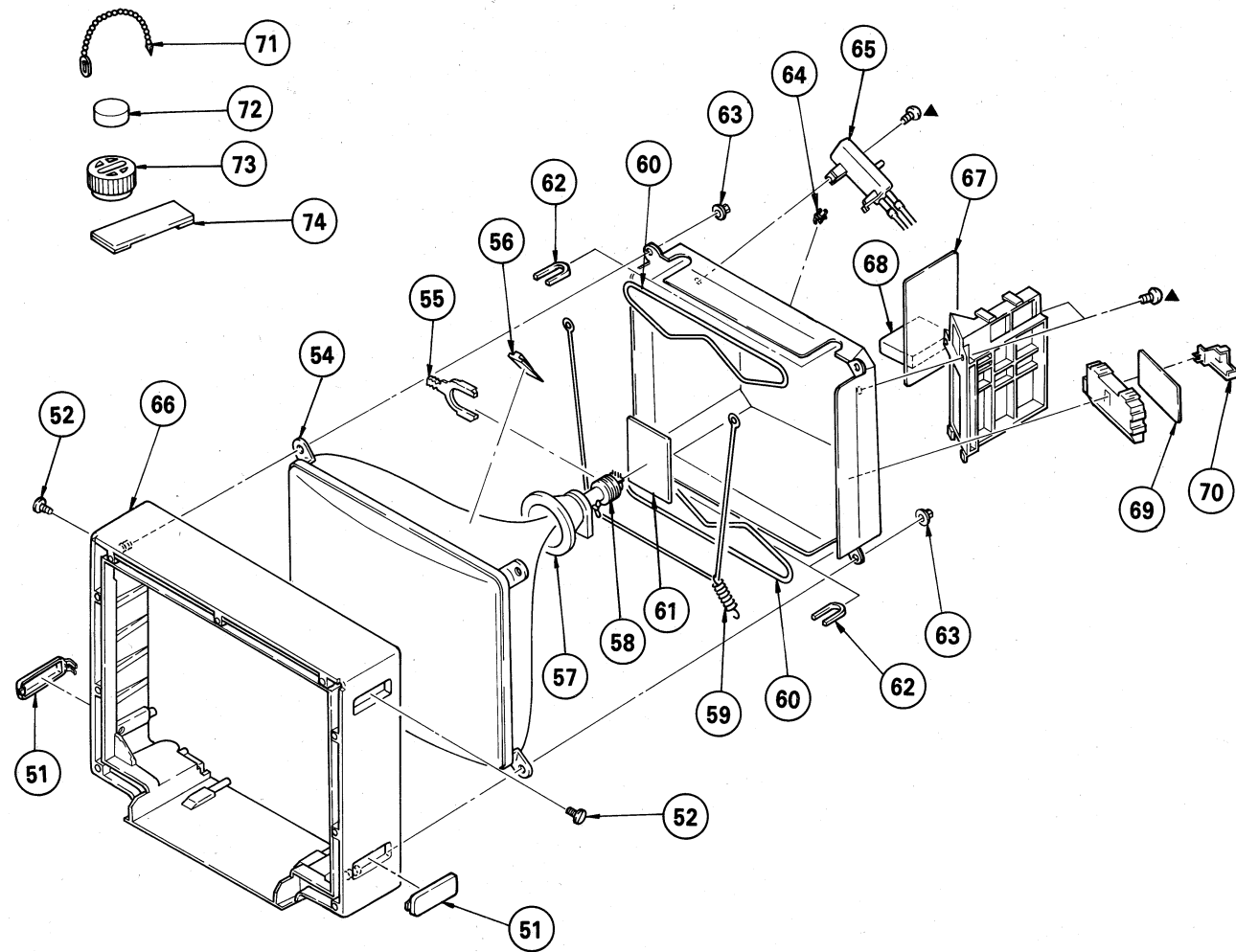
No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	4-361-907-21	PLATE, ORNAMENTAL, CABINET (FOR WHITE)		64	*4-322-922-00	HOLDER, COIL, DEGAUSSER	
52	4-361-907-31	PLATE, ORNAMENTAL, CABINET (FOR GRAY)		65	▲1-228-544-11	RESISTOR ASSY, HIGH-VOLTAGE	
53	4-363-611-00	SCREW, ORNAMENTAL		66	X-4361-940-1	CABINET ASSY (FOR GRAY)	
54	▲8-738-405-05	CRT (680DB22,680EB22)		67	X-4361-940-2	CABINET ASSY (FOR WHITE)	
55	1-452-146-21	MAGNET, BMC		68	*A-1295-788-A	A BOARD, SUB, COMPLETE	
56	3-703-003-00	SPACER, DY		69	▲1-463-421-21	TUNER, ET (BT-883)	
57	▲1-451-226-11	DEFLECTION YOKE (SY105A)		70	*1-611-017-00	F BOARD	
58	▲1-452-315-11	CRT NECK ASSY (NA303)		71	*4-362-247-00	COVER, AC TERMINAL	
59	4-303-774-XX	SPRING		72	4-308-870-00	CLIP, LEAD WIRE	
60	▲1-426-041-21	COIL, DEGAUSSING		73	1-452-032-00	MAGNET, DISK; 10MM Ø	
61	*A-1330-470-A	C BOARD, COMPLETE		74	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
62	*4-330-306-00	BUSHING, CRT INSULATING			X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	
63	4-373-210-01	NUT, SPECIAL					

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.



6-2. CABINET

▲; BVTP 4x16 7-685-663-71



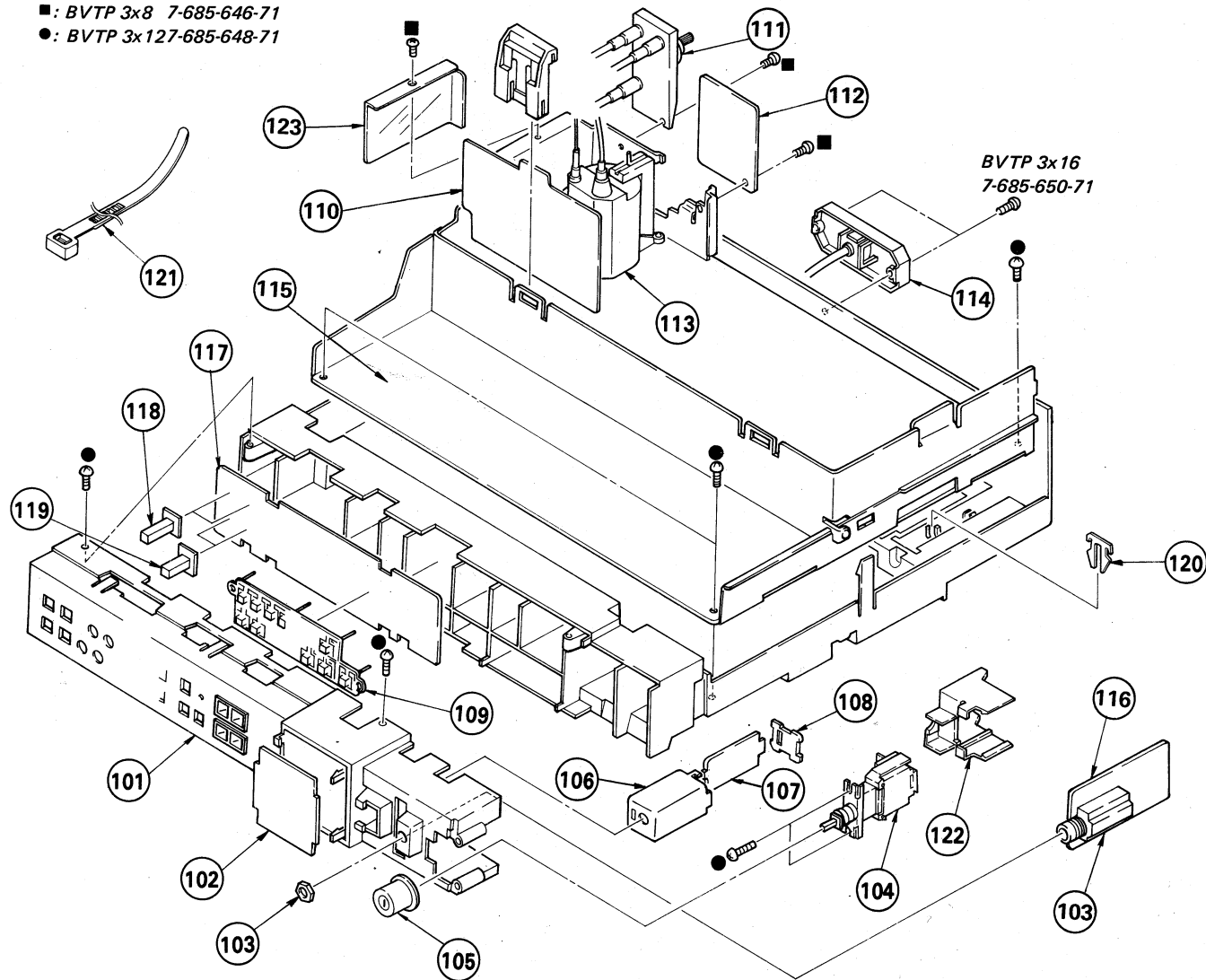
No.	Part No.	Description	Remark
51	4-361-907-21	PLATE, ORNAMENTAL, CABINET (FOR WHITE)	
	4-361-907-31	PLATE, ORNAMENTAL, CABINET (FOR GRAY)	
52	4-363-611-00	SCREW, ORNAMENTAL	
54	▲ 8-738-405-05	CRT (680DB22,680EB22)	
55	1-452-146-21	MAGNET, BMC	
56	3-703-003-00	SPACER, DY	
57	▲ 1-451-226-11	DEFLECTION YOKE (SY105A)	
58	▲ 1-452-315-11	CRT NECK ASSY (NA303)	
59	4-303-774-XX	SPRING	
60	▲ 1-426-041-21	COIL, DEGAUSSING	
61	*A-1330-470-A	C BOARD, COMPLETE	
62	*4-330-306-00	BUSHING, CRT INSULATING	
63	4-373-210-01	NUT, SPECIAL	

No.	Part No.	Description	Remark
64	*4-322-922-00	HOLDER, COIL, DEGAUSSER	
65	▲ 1-228-544-11	RESISTOR ASSY, HIGH-VOLTAGE	
66	X-4361-940-1	CABINET ASSY (FOR GRAY)	
	X-4361-940-2	CABINET ASSY (FOR WHITE)	
67	*A-1295-788-A	A BOARD, SUB, COMPLETE	
68	▲ 1-463-421-21	TUNER, ET (BT-883)	
69	*1-611-017-00	F BOARD	
70	*4-362-247-00	COVER, AC TERMINAL	
71	4-308-870-00	CLIP, LEAD WIRE	
72	1-452-032-00	MAGNET, DISK; 10MM ϕ	
73	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
74	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

6-3. CHASSIS

■: BVTP 3x8 7-685-646-71  
●: BVTP 3x127-685-648-71



No.	Part No.	Description	Remark
101	4-363-677-00	PANEL, CONTROL	
102	*1-613-720-11	H2 BOARD	
103	1-507-657-00	JACK	
104	▲ 1-554-762-21	SWITCH, PUSH (AC POWER)(1 KEY)	
105	4-369-735-01	BUTTON, POWER	
106	*4-342-117-00	CASE, SHIELD (MAIN), R	
107	*1-606-794-00	N BOARD	
108	*4-342-118-00	LID, SHIELD CASE, R	
109	4-363-675-00	BUTTON, MULTI	
110	*A-1340-571-A	D1 BOARD, COMPLETE	
111	▲ 1-215-066-21	RES ASSY, HIGH-VOLTAGE	
112	*1-611-015-00	D2 BOARD	

No.	Part No.	Description	Remark
113	▲ 1-439-332-21	TRANSFORMER ASSY, FLYBACK	
114	▲ 1-536-817-11	TERMINAL BOARD ASSY, ANTENNA	
115	*A-1345-439-A	D BOARD, SUB, COMPLETE	
116	*1-611-170-00	J1 BOARD	
117	*1-613-719-11	H1 BOARD	
118	4-361-939-00	PUSH BUTTON (B)	
119	4-361-938-00	PUSH BUTTON (A)	
120	*4-369-712-01	STOPPER	
121	3-701-748-00	CLAMP	
122	*4-373-216-01	CAP, INSULATING, POWER SWITCH	
123	*4-368-658-01	INSULATOR (H)	

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.



SECTION 7  
ELECTRICAL PARTS LIST

KV-2730EC  
RM-635

KV-2730EC  
RM-635

F

A

A

NOTE:

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS

- MF :  $\mu$ F, PF :  $\mu$ PF

RESISTORS

- All resistors are in ohms
- F : nonflammable

COILS

- MMH : mH, UH :  $\mu$ H

When indicating parts by reference number, please include the board name.

Ref.No.	Part No.	Description	Remark
	*1-611-017-00	F BOARD *****	
CAPACITOR			
C1601A	1-108-745-62	MYLAR 0.22MF 20% 300V	
C1602A	1-108-747-62	MYLAR 0.1MF 20% 300V	
C1603A	1-161-738-12	CERAMIC 0.0047MF 20% 400V	
C1604A	1-161-738-12	CERAMIC 0.0047MF 20% 400V	
C1655	1-123-332-00	ELECT 47MF 20% 16V	
C1668	1-123-346-00	ELECT 220MF 20% 35V	
DIODE			
D1658	8-719-000-06	DIODE MC921	
CONNECTOR			
F1	*1-506-349-21	3P PLUG (L)	
F2	*1-508-765-00	3P PLUG (M)	
F3	*1-508-786-00	2P PLUG (M)	
F4	*1-506-349-21	3P PLUG (L)	
F5	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
F6	*1-506-349-21	3P PLUG (L)	
F7	*1-508-784-00	1P PLUG	
FUSE			
F1601A	1-532-237-11	FUSE, TIME-LAG 3.15A	
	1-533-087-00	HOLDER, FUSE; F1601	
IC			
IC1652	8-759-178-12	IC UPC78L12	
THERMISTOR			
PTH1601A	1-806-387-11	THERMISTOR (POSITIVE)	
RESISTOR			
R1601A	1-217-328-11	WIREWOUND 2.7 10% 7W F	
R1602A	1-244-945-51	CARBON 1M 5% 1/2W	
R1603A	1-247-289-11	CARBON 8.2M 5% 1W	
R1614A	1-205-653-11	CEMENTED 100 5% 5W	
R1675A	1-202-854-11	SOLID 10 1/4W F	
R1676A	1-202-854-11	SOLID 10 1/4W F	
TRANSFORMER			
T1601A	1-421-352-11	TRANSFORMER, FERRITE	
T1603A	1-447-703-12	TRANSFORMER, POWER	
*****			
*A-1295-788-A	A BOARD, SUB, COMPLETE *****		
*4-363-672-00	CASE (MAIN), SHIELD, VIF		
*4-363-673-00	CASE (BOTTOM LID), SHIELD, VIF		

Ref.No.	Part No.	Description	Remark
	*4-363-674-00	CASE (UPPER LID), SHIELD, VIF	
CONNECTOR			
A1	*1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
A2	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
A3	*1-560-156-00	PLUG, CONNECTOR (2.5MM PITCH)	
CAPACITOR			
C102	1-110-175-81	MYLAR 0.1MF 10% 100V	
C103	1-110-175-81	MYLAR 0.1MF 10% 100V	
C104	1-123-356-00	ELECT 10MF 20% 16V	
C105	1-123-356-00	ELECT 10MF 20% 16V	
C106	1-123-318-00	ELECT 33MF 20% 16V	
C107	1-123-330-00	ELECT 22MF 20% 16V	
C108	1-110-173-81	MYLAR 0.068MF 10% 100V	
C109	1-110-173-81	MYLAR 0.068MF 10% 100V	
C110	1-102-963-00	CERAMIC 33PF 5% 50V	
C111	1-123-318-00	ELECT 33MF 20% 16V	
C112	1-102-530-00	CERAMIC 120PF 5% 50V	
C113	1-102-529-00	CERAMIC 100PF 5% 50V	
C114	1-102-851-00	CERAMIC 15PF 5% 50V	
C115	1-102-523-00	CERAMIC 56PF 5% 50V	
C116	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C117	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C118	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C119	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C120	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C121	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C123	1-102-108-00	CERAMIC 150PF 10% 50V	
C124	1-130-014-00	FILM 470PF 5% 50V	
C126	1-123-318-00	ELECT 33MF 20% 16V	
C127	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C128	1-101-004-00	CERAMIC 0.01MF 50V	
C129	1-101-004-00	CERAMIC 0.01MF 50V	
C130	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C131	1-123-381-00	ELECT 2.2MF 20% 50V	
C132	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C133	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C134	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C135	1-102-525-00	CERAMIC 68PF 5% 50V	
C136	1-102-525-00	CERAMIC 68PF 5% 50V	
C137	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C138	1-123-286-00	ELECT 0.33MF 20% 50V	
C139	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C140	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
C141	1-123-318-00	ELECT 33MF 20% 16V	
C142	1-102-525-00	CERAMIC 68PF 5% 50V	
C143	1-101-004-00	CERAMIC 0.01MF 50V	
C144	1-123-286-00	ELECT 0.33MF 20% 50V	
C145	1-102-961-00	CERAMIC 27PF 5% 50V	
C146	1-123-380-00	ELECT 1MF 20% 50V	
C151	1-101-004-00	CERAMIC 0.01MF 50V	
C152	1-101-004-00	CERAMIC 0.01MF 50V	

Ref.No.	Part No.	Description	Remark
C153	1-123-356-00	ELECT 10MF 20% 16V	
C154	1-101-004-00	CERAMIC 0.01MF 50V	
C155	1-123-332-00	ELECT 47MF 20% 16V	
C156	1-123-306-00	ELECT 47MF 20% 10V	
C157	1-123-306-00	ELECT 47MF 20% 10V	
C158	1-123-379-00	ELECT 0.47MF 20% 50V	
C159	1-102-816-00	CERAMIC 120PF 5% 50V	
C162	1-108-570-00	MYLAR 0.0043MF 5% 50V	
C163	1-136-159-00	FILM 0.033MF 5% 50V	
C164	1-106-184-00	MYLAR 0.0033MF 10% 100V	
C165	1-106-184-00	MYLAR 0.0033MF 10% 100V	
C167	1-106-184-00	MYLAR 0.0033MF 10% 100V	
C168	1-106-184-00	MYLAR 0.0033MF 10% 100V	
C169	1-123-356-00	ELECT 10MF 20% 16V	
C170	1-123-356-00	ELECT 10MF 20% 16V	
C171	1-123-318-00	ELECT 33MF 20% 16V	
C172	1-123-379-00	ELECT 0.47MF 20% 50V	
C173	1-123-379-00	ELECT 0.47MF 20% 50V	
C174	1-110-190-81	MYLAR 0.01MF 10% 400V	
C175	1-110-190-81	MYLAR 0.01MF 10% 400V	
C176	1-123-380-00	ELECT 1MF 20% 50V	
C177	1-123-380-00	ELECT 1MF 20% 50V	
C179	1-123-369-00	ELECT 4.7MF 20% 25V	
C180	1-106-184-00	MYLAR 0.0033MF 10% 100V	
C181	1-123-318-00	ELECT 33MF 20% 16V	
C182	1-123-307-00	ELECT 100MF 20% 10V	
C183	1-102-108-00	CERAMIC 150PF 10% 50V	
C184	1-102-973-00	CERAMIC 100PF 5% 50V	
C186	1-102-121-00	CERAMIC 0.0022MF 10% 50V	
C188	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
DISCRIMINATOR			
CD151	1-404-501-00	DISCRIMINATOR, CERAMIC	
FILTER			
CF101	1-527-840-00	FILTER, CERAMIC	
CF102	1-404-134-00	TRAP, CERAMIC (5.5MHZ)	
CF151	1-527-839-00	FILTER, CERAMIC	
DIODE			
D101	8-719-911-19	DIODE 1SS119	
D102	8-719-911-19	DIODE 1SS119	
D103	8-719-102-71	DIODE RD5.6E-N2	
D104	8-719-911-19	DIODE 1SS119	
D105	8-719-911-19	DIODE 1SS119	
D151	8-719-911-19	DIODE 1SS119	
D152	8-719-911-19	DIODE 1SS119	
D153	8-719-911-19	DIODE 1SS119	
D154	8-719-911-19	DIODE 1SS119	
D170	8-719-911-19	DIODE 1SS119	
D171	8-719-911-19	DIODE 1SS119	

Ref.No.	Part No.	Description	Remark
IC			
IC101	8-759-909-08	IC TDA3541	
IC102	8-759-909-54	IC TDA2546A	
IC103	8-759-800-12	IC LA7920	
IC151	8-759-007-54	IC TDA4940	
IC152	8-759-007-55	IC TDA4944	
COIL			
L101	1-404-476-00	COIL, IF	
L102	1-404-476-00	COIL, IF	
L103	1-408-593-00	MICRO INDUCTOR 1.5UH	
L104	1-408-406-00	MICRO INDUCTOR 5.6UH	
L105	1-404-477-00	COIL, IF	
L106	1-404-493-00	COIL	
L107	1-404-493-00	COIL	
L109	1-408-409-00	MICRO INDUCTOR 10UH	
L110	1-408-406-00	MICRO INDUCTOR 5.6UH	
L111	1-404-493-00	COIL	
L113	1-408-226-00	MICRO INDUCTOR 82UH	
L152	1-404-506-00	COIL, VARIABLE	
L170	1-408-247-00	MICRO INDUCTOR 33MMH	
L171	1-408-408-00	MICRO INDUCTOR 8.2UH	
TRANSISTOR			
Q101	8-729-245-83	TRANSISTOR 2SC2458	
Q102	8-765-300-00	TRANSISTOR 2SC2009	
Q103	8-729-204-83	TRANSISTOR 2SA1048GR	
Q104	8-729-900-36	TRANSISTOR DTC124ES	
Q105	8-729-204-83	TRANSISTOR 2SA1048GR	
Q151	8-729-245-83	TRANSISTOR 2SC2458	
Q152	8-729-245-83	TRANSISTOR 2SC2458	
Q153	8-729-245-83	TRANSISTOR 2SC2458	
Q154	8-729-900-89	TRANSISTOR DTC144ES	
Q155	8-729-245-83	TRANSISTOR 2SC2458	
Q156	8-729-245-83	TRANSISTOR 2SC2458	
Q157	8-729-900-89	TRANSISTOR DTC144ES	
Q158	8-729-900-89	TRANSISTOR DTC144ES	
Q172	8-729-204-83	TRANSISTOR 2SA1048GR	
Q173	8-729-245-83	TRANSISTOR 2SC2458	
Q174	8-729-245-83	TRANSISTOR 2SC2458	
Q175	8-729-245-83	TRANSISTOR 2SC2458	
RESISTOR			
R101	1-215-738-91	METAL 1K 5% 1/6W	
R102	1-215-738-91	METAL 1K 5% 1/6W	
R103	1-215-786-91	METAL 100K 5% 1/6W	
R104	1-215-786-91	METAL 100K 5% 1/6W	
R105	1-215-760-91	METAL 8.2K 5% 1/6W	
R106	1-215-750-91	METAL 3.3K 5% 1/6W	
R107	1-215-750-91	METAL 3.3K 5% 1/6W	
R108	1-215-798-91	METAL 330K 5% 1/6W	
R109	1-215-746-91	METAL 2.2K 5% 1/6W	
R110	1-215-746-91	METAL 2.2K 5% 1/6W	



Ref.No.	Part No.	Description	Remark
R111	1-215-754-91	METAL 4.7K 5% 1/6W	
R112	1-215-722-91	METAL 220 5% 1/6W	
R113	1-215-752-91	METAL 3.9K 5% 1/6W	
R114	1-215-722-91	METAL 220 5% 1/6W	
R115	1-215-742-91	METAL 1.5K 5% 1/6W	
R116	1-215-730-91	METAL 470 5% 1/6W	
R118	1-215-722-91	METAL 220 5% 1/6W	
R119	1-215-730-91	METAL 470 5% 1/6W	
R120	1-215-778-91	METAL 47K 5% 1/6W	
R122	1-215-762-91	METAL 10K 5% 1/6W	
R123	1-215-768-91	METAL 18K 5% 1/6W	
R124	1-215-764-91	METAL 12K 5% 1/6W	
R125	1-215-736-91	METAL 820 5% 1/6W	
R126	1-215-736-91	METAL 820 5% 1/6W	
R127	1-215-736-91	METAL 820 5% 1/6W	
R129	1-215-795-91	METAL 240K 5% 1/6W	
R131	1-215-778-91	METAL 47K 5% 1/6W	
R132	1-215-762-91	METAL 10K 5% 1/6W	
R134	1-215-782-91	METAL 68K 5% 1/6W	
R135	1-215-780-91	METAL 56K 5% 1/6W	
R136	1-215-770-91	METAL 22K 5% 1/6W	
R137	1-215-770-91	METAL 22K 5% 1/6W	
R140	1-215-738-91	METAL 1K 5% 1/6W	
R141	1-215-766-91	METAL 15K 5% 1/6W	
R142	1-215-786-91	METAL 100K 5% 1/6W	
R143	1-215-786-91	METAL 100K 5% 1/6W	
R151	1-215-738-91	METAL 1K 5% 1/6W	
R152	1-215-776-91	METAL 39K 5% 1/6W	
R153	1-215-728-91	METAL 390 5% 1/6W	
R155	1-215-770-91	METAL 22K 5% 1/6W	
R156	1-215-784-91	METAL 82K 5% 1/6W	
R157	1-215-762-91	METAL 10K 5% 1/6W	
R158	1-215-762-91	METAL 10K 5% 1/6W	
R159	1-215-754-91	METAL 4.7K 5% 1/6W	
R160	1-215-754-91	METAL 4.7K 5% 1/6W	
R161	1-215-754-91	METAL 4.7K 5% 1/6W	
R162	1-215-754-91	METAL 4.7K 5% 1/6W	
R166	1-215-750-91	METAL 3.3K 5% 1/6W	
R167	1-215-774-91	METAL 33K 5% 1/6W	
R168	1-215-770-91	METAL 22K 5% 1/6W	
R172	1-215-720-91	METAL 180 5% 1/6W	
R173	1-215-778-91	METAL 47K 5% 1/6W	
R174	1-215-796-91	METAL 270K 5% 1/6W	
R175	1-215-772-91	METAL 27K 5% 1/6W	
R176	1-215-738-91	METAL 1K 5% 1/6W	
R177	1-215-762-91	METAL 10K 5% 1/6W	
R178	1-215-762-91	METAL 10K 5% 1/6W	
R179	1-215-762-91	METAL 10K 5% 1/6W	
R180	1-215-738-91	METAL 1K 5% 1/6W	
R181	1-215-740-91	METAL 1.2K 5% 1/6W	
R182	1-215-746-91	METAL 2.2K 5% 1/6W	
R183	1-215-738-91	METAL 1K 5% 1/6W	
R184	1-215-724-91	METAL 270 5% 1/6W	

Ref.No.	Part No.	Description	Remark
R185	1-215-726-91	METAL 330 5% 1/6W	
R186	1-215-768-91	METAL 18K 5% 1/6W	
R188	1-215-180-00	METAL 15K 5% 1/4W	
R191	1-215-730-91	METAL 470 5% 1/6W	
R192	1-215-730-91	METAL 470 5% 1/6W	
R193	1-215-714-91	METAL 100 5% 1/6W	
VARIABLE RESISTOR			
RV101	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
RV151	1-228-726-00	RES, ADJ, CERAMIC CARBON 33K	
FILTER			
SWF101	1-404-438-00	FILTER, SAW	
TUNER			
TU101A	1-463-421-21	TUNER, ET (BT-883)	
*****			
*A-1330-470-A C BOARD, COMPLETE			
*****			
1-526-644-41 SOCKET, CRT			
CONNECTOR			
C1	*1-508-765-00	3P PLUG (M)	
C2	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
C3	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
CAPACITOR			
C701	1-102-973-00	CERAMIC 100PF 5% 50V	
C702	1-102-973-00	CERAMIC 100PF 5% 50V	
C703	1-102-973-00	CERAMIC 100PF 5% 50V	
C704	1-121-759-00	ELECT 4.7MF 250V	
C705	1-102-249-00	CERAMIC 680PF 20% 2KV	
C706	1-129-779-00	FILM 0.022MF 20% 1KV	
C707	1-123-383-00	ELECT 4.7MF 20% 100V	
C708	1-123-333-00	ELECT 100MF 20% 25V	
C711	1-123-356-00	ELECT 10MF 20% 50V	
C751	1-101-361-00	CERAMIC 150PF 5% 50V	
C752	1-106-178-00	MYLAR 0.0018MF 10% 100V	
C753	1-106-196-00	MYLAR 0.01MF 10% 100V	
C757	1-106-220-00	MYLAR 0.1MF 10% 100V	
C759	1-123-356-00	ELECT 10MF 20% 50V	
C760	1-123-372-00	ELECT 33MF 20% 50V	
C761	1-101-006-00	CERAMIC 0.047MF 50V	
C762	1-106-196-00	MYLAR 0.01MF 10% 100V	
DIODE			
D701	8-719-911-19	DIODE 1SS119	
D702	8-719-911-19	DIODE 1SS119	
D703	8-719-911-19	DIODE 1SS119	
D704	8-719-100-68	DIODE RD13E-B2	

Ref.No.	Part No.	Description	Remark
D705	8-719-911-19	DIODE 1SS119	
D706	8-719-911-19	DIODE 1SS119	
D707	8-719-911-19	DIODE 1SS119	
D708	8-719-911-19	DIODE 1SS119	
D709	8-719-911-19	DIODE 1SS119	
D710	8-719-911-19	DIODE 1SS119	
D711	8-719-911-19	DIODE 1SS119	
COIL			
L751	1-408-413-00	MICRO INDUCTOR 22UH	
NEON LAMP			
NL701	1-519-108-XX	LAMP, NEON ASSY	
TRANSISTOR			
Q701	8-729-245-83	TRANSISTOR 2SC2458	
Q702	8-729-245-83	TRANSISTOR 2SC2458	
Q703	8-729-245-83	TRANSISTOR 2SC2458	
Q704	8-729-322-78	TRANSISTOR 2SC2278	
Q705	8-729-322-78	TRANSISTOR 2SC2278	
Q706	8-729-322-78	TRANSISTOR 2SC2278	
Q707	8-729-255-12	TRANSISTOR 2SC2551	
Q708	8-729-255-12	TRANSISTOR 2SC2551	
Q709	8-729-255-12	TRANSISTOR 2SC2551	
Q710	8-729-200-17	TRANSISTOR 2SA1091	
Q711	8-729-200-17	TRANSISTOR 2SA1091	
Q712	8-729-200-17	TRANSISTOR 2SA1091	
Q713	8-729-245-83	TRANSISTOR 2SC2458	
Q751	8-729-245-83	TRANSISTOR 2SC2458	
Q752	8-729-245-83	TRANSISTOR 2SC2458	
Q753	8-729-103-43	TRANSISTOR 2SB740	
Q754	8-729-177-43	TRANSISTOR 2SD774	
RESISTOR			
R701	1-247-855-00	CARBON 10K 5% 1/6W	
R702	1-247-855-00	CARBON 10K 5% 1/6W	
R703	1-247-855-00	CARBON 10K 5% 1/6W	
R704	1-247-837-00	CARBON 1.8K 5% 1/6W	
R705	1-247-837-00	CARBON 1.8K 5% 1/6W	
R706	1-247-837-00	CARBON 1.8K 5% 1/6W	
R707	1-247-855-00	CARBON 10K 5% 1/6W	
R708	1-247-855-00	CARBON 10K 5% 1/6W	
R709	1-247-855-00	CARBON 10K 5% 1/6W	
R710	1-247-826-00	CARBON 620 5% 1/6W	
R711	1-247-826-00	CARBON 620 5% 1/6W	
R712	1-247-826-00	CARBON 620 5% 1/6W	
R713	1-206-692-00	METAL OXIDE 15K 5% 2W F	
R714	1-206-692-00	METAL OXIDE 15K 5% 2W F	
R715	1-206-692-00	METAL OXIDE 15K 5% 2W F	
R716	1-247-038-00	CARBON 560 5% 1/8W F	
R717	1-247-038-00	CARBON 560 5% 1/8W F	
R718	1-247-038-00	CARBON 560 5% 1/8W F	
VARIABLE RESISTOR			
RV701	1-228-721-00	RES, ADJ, CERAMIC CARBON 2.2K	
RV702	1-228-721-00	RES, ADJ, CERAMIC CARBON 2.2K	
RV703	1-226-157-00	RES, ADJ, METAL GLAZE 1M	
SPARK GAP			
SG701	1-519-063-XX	DISCHARGING GAP	
SG702	1-519-063-XX	DISCHARGING GAP	
SG703	1-519-063-XX	DISCHARGING GAP	

Ref.No.	Part No.	Description	Remark
R719	1-213-163-00	METAL OXIDE 47K 5% 1W F	
R720	1-213-163-00	METAL OXIDE 47K 5% 1W F	
R721	1-213-163-00	METAL OXIDE 47K 5% 1W F	
R722	1-202-824-00	SOLID 3.3K 1/2W	
R723	1-202-824-00	SOLID 3.3K 1/2W	
R724	1-202-824-00	SOLID 3.3K 1/2W	
R725	1-247-155-00	CARBON 10K 5% 1/4W	
R726	1-214-966-00	METAL 1.2M 1% 1/4W	
R727	1-247-155-00	CARBON 10K 5% 1/4W	
R728	1-214-960-00	METAL 680K 1% 1/4W	
R729	1-214-788-00	METAL 300K 1% 1/4W	
R730	1-202-838-00	SOLID 100K 1/2W	
R731	1-202-843-51	SOLID 270K 1/2W	
R732	1-202-814-51	SOLID 33K 1/2W	
R733	1-202-719-00	SOLID 1M 10% 1/2W	
R734	1-202-814-51	SOLID 33K 1/2W	
R735	1-202-842-51	SOLID 220K 1/2W	
R736	1-202-846-00	SOLID 470K 1/2W	
R737	1-247-813-00	CARBON 180 5% 1/6W	
R738	1-247-135-00	CARBON 1.5K 5% 1/4W	
R739	1-247-155-00	CARBON 10K 5% 1/4W	
R740	1-207-451-00	WIREWOUND 0.1 10% 1/2W	
R746	1-247-871-00	CARBON 47K 5% 1/6W	
R747	1-247-855-00	CARBON 10K 5% 1/6W	
R751	1-247-833-00	CARBON 1.2K 5% 1/6W	
R752	1-247-849-00	CARBON 5.6K 5% 1/6W	
R753	1-247-825-00	CARBON 560 5% 1/6W	
R754	1-247-865-00	CARBON 27K 5% 1/6W	
R755	1-247-807-00	CARBON 100 5% 1/6W	
R756	1-247-835-00	CARBON 1.5K 5% 1/6W	
R757	1-247-807-00	CARBON 100 5% 1/6W	
R758	1-247-815-00	CARBON 220 5% 1/6W	
R760	1-247-819-00	CARBON 330 5% 1/6W	
R761	1-247-855-00	CARBON 10K 5% 1/6W	
R762	1-247-895-00	CARBON 470K 5% 1/6W	
R763	1-247-855-00	CARBON 10K 5% 1/6W	
R764	1-246-981-00	CARBON 4.7 5% 1/8W F	
R765	1-246-981-00	CARBON 4.7 5% 1/8W F	
R766	1-247-833-00	CARBON 1.2K 5% 1/6W	
R767	1-247-837-00	CARBON 1.8K 5% 1/6W	
R768	1-206-481-00	METAL OXIDE 56 5% 2W F	
R769	1-217-403-00	FUSIBLE 220 5% 1/4W F	
VARIABLE RESISTOR			
RV701	1-228-721-00	RES, ADJ, CERAMIC CARBON 2.2K	
RV702	1-228-721-00	RES, ADJ, CERAMIC CARBON 2.2K	
RV703	1-226-157-00	RES, ADJ, METAL GLAZE 1M	
SPARK GAP			
SG701	1-519-063-XX	DISCHARGING GAP	
SG702	1-519-063-XX	DISCHARGING GAP	
SG703	1-519-063-XX	DISCHARGING GAP	

The components identified by shading and mark A are critical for safety. Replace only with part number specified.



D

D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark								
C020	1-102-030-00	CERAMIC	330PF	10%	500V	C273	1-123-359-00	ELECT	47MF	20%	50V	C341	1-102-947-00	CERAMIC	10PF	5%	50V	C618	1-106-343-00	MYLAR	0.001MF	10%	200V
C021A	1-123-307-00	ELECT	100MF	20%	10V	C274	1-123-364-00	ELECT	1000MF	20%	50V	C343	1-102-973-00	CERAMIC	100PF	5%	50V	C619	1-123-006-00	ELECT	3.3MF		350V
C022	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C276	1-123-359-00	ELECT	47MF	20%	50V	C344	1-123-379-00	ELECT	0.47MF	20%	50V	C651	1-102-155-00	CERAMIC	330PF	20%	2KV
C024	1-106-196-00	MYLAR	0.01MF	10%	100V	C277	1-106-220-00	MYLAR	0.1MF	10%	100V	C345	1-136-167-00	FILM	0.15MF	5%	50V	C652	1-124-347-00	ELECT	100MF	20%	160V
						C278	1-123-364-00	ELECT	1000MF	20%	50V	C346	1-123-333-00	ELECT	100MF	20%	16V	C653	1-124-512-51	ELECT	33MF	20%	50V
C050	1-123-381-00	ELECT	2.2MF	20%	50V	C279	1-123-343-00	ELECT	33MF	20%	25V	C347	1-106-188-00	MYLAR	0.0047MF	10%	100V	C654	1-123-364-00	ELECT	1000MF	20%	50V
C201	1-106-220-00	MYLAR	0.1MF	10%	100V	C280	1-123-364-00	ELECT	1000MF	20%	50V	C503	1-106-196-00	MYLAR	0.01MF	10%	100V	C656	1-123-606-00	ELECT	1000MF	20%	25V
C202	1-106-220-00	MYLAR	0.1MF	10%	100V	C281	1-123-360-00	ELECT	100MF	20%	50V	C504	1-130-019-00	FILM	0.0012MF	5%	50V	C657	1-123-311-00	ELECT	1000MF	20%	10V
C203	1-106-220-00	MYLAR	0.1MF	10%	100V	C282	1-102-106-00	CERAMIC	100PF	10%	50V	C505	1-136-165-00	FILM	0.1MF	5%	50V	C659	1-123-382-00	ELECT	3.3MF	20%	50V
C204	1-123-356-00	ELECT	10MF	20%	16V	C283	1-102-106-00	CERAMIC	100PF	10%	50V	C506	1-123-308-00	ELECT	220MF	20%	6.3V	C660	1-123-380-00	ELECT	1MF	20%	50V
C205	1-123-356-00	ELECT	10MF	20%	16V	C284	1-102-106-00	CERAMIC	100PF	10%	50V	C507	1-123-321-00	ELECT	220MF	20%	16V	C661	1-106-190-00	MYLAR	0.0056MF	10%	100V
C206	1-123-318-00	ELECT	33MF	20%	16V	C285	1-102-106-00	CERAMIC	100PF	10%	50V	C508	1-136-168-00	FILM	0.18MF	5%	50V	C662	1-130-022-00	FILM	0.0022MF	5%	50V
C208	1-123-380-00	ELECT	1MF	20%	50V	C288	1-106-204-00	MYLAR	0.022MF	10%	100V	C509	1-123-356-00	ELECT	10MF	20%	16V	C663	1-123-330-00	ELECT	22MF	20%	16V
C209	1-102-114-00	CERAMIC	470PF	10%	50V	C289	1-106-204-00	MYLAR	0.022MF	10%	100V	C510	1-123-330-00	ELECT	22MF	20%	16V	C664	1-123-382-00	ELECT	3.3MF	20%	50V
C210	1-102-074-00	CERAMIC	0.001MF	10%	50V	C290	1-123-343-00	ELECT	33MF	20%	25V	C511	1-123-381-00	ELECT	2.2MF	20%	50V	C666	1-101-810-00	CERAMIC	100PF	5%	500V
C211	1-123-380-00	ELECT	1MF	20%	50V	C291	1-123-343-00	ELECT	33MF	20%	25V	C512	1-102-108-00	CERAMIC	150PF	10%	50V	C672	1-102-106-00	CERAMIC	100PF	10%	50V
C212	1-102-114-00	CERAMIC	470PF	10%	50V	C301	1-102-944-00	CERAMIC	7PF	1PF	50V	C513	1-123-356-00	ELECT	10MF	20%	50V	C801	1-102-038-00	CERAMIC	0.001MF		500V
C213	1-102-074-00	CERAMIC	0.001MF	10%	50V	C302	1-102-944-00	CERAMIC	7PF	1PF	50V	C514	1-136-173-00	FILM	0.47MF	5%	50V	C802	1-106-359-00	MYLAR	0.0047MF	10%	200V
C214	1-123-309-00	ELECT	330MF	20%	10V	C304	1-101-006-00	CERAMIC	0.047MF		50V	C515	1-123-337-00	ELECT	1000MF	20%	25V	C803 A	1-102-327-11	CERAMIC	330PF	15%	1.5KV
C215	1-123-332-00	ELECT	47MF	20%	16V	C305	1-101-006-00	CERAMIC	0.047MF		50V	C516	1-106-184-00	MYLAR	0.0033MF	10%	100V	C804 A	1-161-754-11	CERAMIC	0.001MF	10%	3KV
C216	1-106-208-00	MYLAR	0.033MF	10%	100V	C307	1-102-971-00	CERAMIC	82PF	5%	50V	C517	1-131-371-00	TANTALUM	10MF	10%	16V	C805	1-108-423-00	MYLAR	0.015MF	10%	200V
C217	1-123-356-00	ELECT	10MF	20%	16V	C308	1-123-356-00	ELECT	10MF	20%	16V	C518	1-106-220-00	MYLAR	0.1MF	10%	100V	C806	1-129-722-00	FILM	0.047MF	10%	630V
C218	1-123-332-00	ELECT	47MF	20%	16V	C309	1-102-113-00	CERAMIC	390PF	10%	50V	C519	1-106-172-00	MYLAR	0.001MF	10%	100V	C807	1-136-186-00	FILM	2.4MF	5%	200V
C219	1-123-380-00	ELECT	1MF	20%	50V	C310	1-101-004-00	CERAMIC	0.01MF		50V	C520	1-123-333-00	ELECT	100MF	20%	25V	C808	1-136-116-00	FILM	1MF	5%	200V
C220	1-123-380-00	ELECT	1MF	20%	50V	C311	1-123-323-00	ELECT	470MF	20%	16V	C521	1-106-196-00	MYLAR	0.01MF	10%	100V	C810	1-106-196-00	MYLAR	0.01MF	10%	100V
C221	1-102-108-00	CERAMIC	150PF	10%	50V	C312	1-123-286-00	ELECT	0.33MF	20%	50V	C523	1-123-381-00	ELECT	2.2MF	20%	50V	C811	1-123-379-00	ELECT	0.47MF	20%	50V
C222	1-101-004-00	CERAMIC	0.01MF		50V	C313	1-123-356-00	ELECT	10MF	20%	16V	C523A	1-123-381-00	ELECT	2.2MF	20%	50V	C812	1-102-223-00	CERAMIC	0.0047MF	10%	2KV
C223	1-123-333-00	ELECT	100MF	20%	16V	C314	1-123-381-00	ELECT	2.2MF	20%	50V	C525	1-123-330-00	ELECT	22MF	20%	16V	C813	1-106-220-00	MYLAR	0.1MF	10%	100V
C224	1-123-379-00	ELECT	0.47MF	20%	50V	C315	1-123-381-00	ELECT	2.2MF	20%	50V	C526	1-123-349-00	ELECT	1000MF	20%	35V	C814	1-123-005-00	ELECT	22MF		250V
C249	1-123-379-00	ELECT	0.47MF	20%	50V	C317	1-106-204-00	MYLAR	0.022MF	10%	100V	C527	1-106-188-00	MYLAR	0.0047MF	10%	100V	C815	1-123-348-00	ELECT	470MF	20%	35V
C250	1-102-108-00	CERAMIC	150PF	10%	50V	C318	1-131-345-00	TANTALUM	0.47MF	20%	35V	C529	1-123-318-00	ELECT	33MF	20%	16V	C816	1-102-030-00	CERAMIC	330PF	10%	500V
C251	1-123-380-00	ELECT	1MF	20%	50V	C319	1-123-356-00	ELECT	10MF	20%	16V	C530	1-106-176-00	MYLAR	0.0015MF	5%	50V	C818	1-130-894-00	FILM	0.022MF	3%	1.2KV
C252	1-123-380-00	ELECT	1MF	20%	50V	C320	1-123-380-00	ELECT	1MF	20%	50V	C531	1-123-356-00	ELECT	10MF	20%	16V	C819	1-130-061-00	FILM	0.0015MF	10%	630V
C253	1-123-380-00	ELECT	1MF	20%	50V	C321	1-131-345-00	TANTALUM	0.47MF	20%	35V	C532	1-123-332-00	ELECT	47MF	20%	16V	C824	1-106-204-00	MYLAR	0.022MF	10%	100V
C254	1-123-380-00	ELECT	1MF	20%	50V	C322	1-131-345-00	TANTALUM	0.47MF	20%	35V	C533	1-123-306-00	ELECT	47MF	20%	10V	C825	1-136-184-00	MYLAR	0.68MF	10%	250V
C255	1-123-380-00	ELECT	1MF	20%	50V	C323	1-102-110-00	CERAMIC	220PF	10%	50V	C534	1-123-332-00	ELECT	47MF	20%	16V	C826	1-106-184-00	MYLAR	0.0033MF	10%	100V
C256	1-106-188-00	MYLAR	0.0047MF	10%	100V	C324	1-102-110-00	CERAMIC	220PF	10%	50V	C535	1-101-004-00	CERAMIC	0.01MF		50V	C827	1-102-038-00	CERAMIC	0.001MF		500V
C257	1-106-222-00	MYLAR	0.12MF	10%	100V	C325	1-136-173-00	FILM	0.47MF	5%	50V	C536	1-123-356-00	ELECT	10MF	20%	50V	C828	1-102-114-00	CERAMIC	470PF	10%	50V
C258	1-106-188-00	MYLAR	0.0047MF	10%	100V	C326	1-136-173-00	FILM	0.47MF	5%	50V	C591	1-136-173-00	FILM	0.47MF	5%	50V						
C259	1-106-222-00	MYLAR	0.12MF	10%	100V	C327	1-121-705-00	ELECT	2.2MF	30%	25V	C596	1-106-192-00	MYLAR	0.0068MF	10%	100V						
C260A	1-123-323-00	ELECT	470MF	20%	16V	C328	1-102-973-00	CERAMIC	100PF	5%	50V	C597	1-102-980-00	CERAMIC	270PF	5%</							

## FILTER

CF001 1-527-790-00 OSCILLATOR, CERAMIC

## CONNECTOR

CN201 1-561-534-00 SOCKET, PIN 21P  
D1 \*1-560-288-00 PLUG, CONNECTOR (2.5MM PITCH)  
D2 \*1-560-290-00 PLUG, CONNECTOR (2.5MM PITCH)  
D3 \*1-560-123-00 PLUG, CONNECTOR (2.5MM) 3P  
D4 \*1-560-129-00 PLUG, CONNECTOR (2.5MM) 9P  
D5 \*1-506-349-21 3P PLUG (L)  
D6 \*1-560-290-00 PLUG, CONNECTOR (2.5MM PITCH)  
D8 \*1-560-156-00 PLUG, CONNECTOR (2.5MM PITCH)  
D9 \*1-560-123-00 PLUG, CONNECTOR (2.5MM) 3P  
D10 \*1-508-765-00 3P PLUG (M)

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

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D1

D2

H1

H2

D

Ref.No.	Part No.	Description	Remark
*A-1340-571-A D1 BOARD, COMPLETE *****			
CAPACITOR			
C1528	1-124-038-00	ELECT 1MF 20% 50V	
C1551	1-124-036-00	ELECT 330MF 20% 16V	
C1552	1-123-973-00	ELECT 100MF 20% 16V	
C1553	1-123-973-00	ELECT 100MF 20% 16V	
C1555	1-124-045-51	ELECT 4.7MF 20% 50V	
C1556	1-124-125-00	ELECT 22MF 20% 25V	
C1557	1-124-044-51	ELECT 3.3MF 20% 50V	
C1558	1-124-130-00	ELECT 100MF 20% 63V	
C1559	1-106-202-00	MYLAR 0.018MF 10% 100V	
C1560	1-106-202-00	MYLAR 0.018MF 10% 100V	
C1561	1-108-637-00	MYLAR 0.082MF 10% 100V	
C1562	1-124-039-51	ELECT 10MF 20% 16V	
C1563	1-106-204-00	MYLAR 0.022MF 10% 100V	
C1564	1-129-701-00	FILM 0.01MF 5% 100V	
C1565	1-106-192-00	MYLAR 0.0068MF 10% 100V	
C1567	1-106-196-00	MYLAR 0.01MF 10% 100V	
C1568	1-123-973-00	ELECT 100MF 20% 16V	
C1569	1-106-204-00	MYLAR 0.022MF 10% 100V	
C1570	1-106-196-00	MYLAR 0.01MF 10% 100V	
C1573	1-124-038-00	ELECT 1MF 20% 50V	
C1574	1-106-204-00	MYLAR 0.022MF 10% 100V	
C1575	1-106-196-00	MYLAR 0.01MF 10% 100V	
C1577	1-123-379-00	ELECT 0.47MF 20% 50V	
CONNECTOR			
D19	*1-562-370-00	CONNECTOR, BOARD TO BOARD 18P	
DIODE			
D1552	8-719-911-19	DIODE 1SS119	
D1553	8-719-924-06	DIODE ERC24-06S	
D1554	8-719-924-06	DIODE ERC24-06S	
D1557	8-719-931-13	DIODE EQ801-13	
D1558	8-719-911-19	DIODE 1SS119	
IC			
IC1553	6-066-717-10	IC TDA1082	
COIL			
L1551	1-408-242-00	MICRO INDUCTOR 10MMH	
L1552	1-408-247-00	MICRO INDUCTOR 33MMH	
L1553	1-407-509-00	MICRO INDUCTOR 27MMH	
L1554	1-408-245-00	MICRO INDUCTOR 22MMH	
TRANSISTOR			
Q1551	8-729-177-43	TRANSISTOR 2SD774	
Q1552	8-729-103-43	TRANSISTOR 2SB734	
Q1553	8-729-103-43	TRANSISTOR 2SB734	
Q1554	8-729-195-82	TRANSISTOR 2SC2958	
Q1555	8-729-378-84	TRANSISTOR 2SD788	

Ref.No.	Part No.	Description	Remark
RESISTOR			
R1551	1-217-383-00	FUSIBLE 4.7 5% 1/4W F	
R1552	1-217-383-00	FUSIBLE 4.7 5% 1/4W F	
R1553	1-210-859-00	CARBON 1.2 5% 1/8W F	
R1554	1-247-847-00	CARBON 4.7K 5% 1/6W	
R1555	1-247-831-00	CARBON 1K 5% 1/6W	
R1556	1-247-861-00	CARBON 18K 5% 1/6W	
R1557	1-247-861-00	CARBON 18K 5% 1/6W	
R1558	1-247-845-00	CARBON 3.9K 5% 1/6W	
R1559	1-247-844-00	CARBON 3.6K 5% 1/6W	
R1560	1-247-819-00	CARBON 330 5% 1/6W	
R1561	1-247-825-00	CARBON 560 5% 1/6W	
R1562	1-247-861-00	CARBON 18K 5% 1/6W	
R1563	1-247-787-00	CARBON 15 5% 1/6W	
R1564	1-247-855-00	CARBON 10K 5% 1/6W	
R1565	1-206-642-00	METAL OXIDE 120 5% 2W F	
R1567	1-247-855-00	CARBON 10K 5% 1/6W	
R1568	1-247-809-00	CARBON 120 5% 1/6W	
R1569	1-213-124-00	METAL OXIDE 27 5% 1W F	
R1570	1-247-242-00	CARBON 1.2K 5% 1/2W	
R1571	1-213-135-00	METAL OXIDE 220 5% 1W F	
R1573	1-247-889-00	CARBON 270K 5% 1/6W	
R1574	1-247-846-00	CARBON 4.3K 5% 1/6W	
R1575	1-247-177-00	CARBON 82K 5% 1/4W	
R1576	1-247-857-00	CARBON 12K 5% 1/6W	
R1577	1-247-853-00	CARBON 8.2K 5% 1/6W	
R1579	1-247-865-00	CARBON 27K 5% 1/6W	
R1580	1-247-775-00	CARBON 4.7 5% 1/6W	
R1581	1-247-775-00	CARBON 4.7 5% 1/6W	
R1583	1-247-871-00	CARBON 47K 5% 1/6W	
R1584	1-217-226-00	WIREWOUND 150 10% 2W F	
R1585	1-247-811-00	CARBON 150 5% 1/6W	
R1586	1-247-805-00	CARBON 82 5% 1/6W	
R1588	1-247-831-00	CARBON 1K 5% 1/6W	
VARIABLE RESISTOR			
RV1551	1-230-230-00	RES, ADJ, CERAMIC CARBON 1K	
RV1552	1-230-228-00	RES, ADJ, CERAMIC CARBON 330	
RV1553	1-228-824-00	RES, ADJ, CERAMIC CARBON 10K	
RV1554	1-228-824-00	RES, ADJ, CERAMIC CARBON 10K	
RV1555	1-230-229-00	RES, ADJ, CERAMIC CARBON 470	
RV1556	1-230-228-00	RES, ADJ, CERAMIC CARBON 330	
RV1557	1-230-227-00	RES, ADJ, CERAMIC CARBON 220	
RV1558	1-230-230-00	RES, ADJ, CERAMIC CARBON 1K	
RV1559	1-228-824-00	RES, ADJ, CERAMIC CARBON 10K	
RV1560	1-230-237-00	RES, ADJ, CERAMIC CARBON 100K	
RV1561	1-230-237-00	RES, ADJ, CERAMIC CARBON 100K	
THERMISTOR			
TH1551	1-800-625-00	THERMISTOR	
TH1552	1-806-110-00	THERMISTOR	

Ref.No.	Part No.	Description	Remark
*1-611-015-00 D2 BOARD *****			
CAPACITOR			
C1891A	1-108-633-11	MYLAR 0.039MF 10% 100V	
COIL			
L1892A	1-459-074-11	COIL, DUST CORE 6.8MMH(HCC)	
TRANSFORMER			
T1892A	1-407-849-21	TRANSFORMER, D.F	
*****			
*1-613-719-11 H1 BOARD *****			
CAPACITOR			
C401	1-123-617-00	ELECT 10MF 20% 16V	
C402	1-123-617-00	ELECT 10MF 20% 16V	
C403	1-123-616-00	ELECT 4.7MF 20% 25V	
DIODE			
D401	8-719-911-19	DIODE 1SS119	
D402	8-719-911-19	DIODE 1SS119	
D403	8-719-911-19	DIODE 1SS119	
D404	8-719-911-19	DIODE 1SS119	
D405	8-719-911-19	DIODE 1SS119	
D406	8-719-911-19	DIODE 1SS119	
D407	8-719-911-19	DIODE 1SS119	
D408	8-719-911-19	DIODE 1SS119	
D409	8-719-911-19	DIODE 1SS119	
LED403	8-719-812-41	DIODE TLR124	
*4-357-710-00 HOLDER, LED; LED403			
RESISTOR			
R401	1-247-855-00	CARBON 10K 5% 1/6W	
R402	1-247-847-00	CARBON 4.7K 5% 1/6W	
R412	1-247-813-00	CARBON 180 5% 1/6W	
VARIABLE RESISTOR			
RV401	1-228-578-00	RES, VAR, CARBON 10K	
RV402	1-228-578-00	RES, VAR, CARBON 10K	
RV403	1-228-578-00	RES, VAR, CARBON 10K	
RV404	1-228-578-00	RES, VAR, CARBON 10K	
RV405	1-228-578-00	RES, VAR, CARBON 10K	
SWITCH			
SW401	1-554-118-00	SWITCH, PUSH	
SW402	1-554-118-00	SWITCH, PUSH	
SW403	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW404	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW405	1-553-329-00	SWITCH, PUSH (MONO KEY)	

Ref.No.	Part No.	Description	Remark
SW406	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW407	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW408	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW409	1-552-774-00	SWITCH, PUSH	
SW410	1-552-774-00	SWITCH, PUSH	
SW411	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW412	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW413	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW414	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW415	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW416	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW417	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW418	1-553-329-00	SWITCH, PUSH (MONO KEY)	
SW419	1-553-329-00	SWITCH, PUSH (MONO KEY)	
*****			
*1-613-720-11 H2 BOARD *****			
*4-369-741-01 HOLDER, LED			
DIODE			
LED401	8-719-908-08	DIODE SL1274	
LED402	8-719-812-41	DIODE TLR124	
LED404	8-719-812-41	DIODE TLR124	
LED405	8-719-812-41	DIODE TLR124	
LED406	8-719-812-41	DIODE TLR124	
*****			
*A-1345-439-A D BOARD, SUB, COMPLETE *****			
1-536-813-00 TERMINAL BOARD, INPUT OUTPUT			
4-343-134-00 RETAINER, AC CORD			
*4-363-404-00 HOLDER, IC			
4-363-414-00 SPACER, MICA			
*4-368-659-01 INSULATOR (R)			
4-369-732-01 SPACER, MICA			
CAPACITOR			
C002	1-123-381-00	ELECT 2.2MF 20% 50V	
C003	1-102-973-00	CERAMIC 100PF 5% 50V	
C004	1-106-220-00	MYLAR 0.1MF 10% 100V	
C005	1-123-356-00	ELECT 10MF 20% 50V	
C006	1-102-959-00	CERAMIC 22PF 5% 50V	
C007	1-102-963-00	CERAMIC 33PF 5% 50V	
C008	1-123-356-00	ELECT 10MF 20% 50V	
C009	1-102-114-00	CERAMIC 470PF 10% 50V	
C010	1-123-369-00	ELECT 4.7MF 20% 25V	
C012	1-101-004-00	CERAMIC 0.01MF 50V	
C015	1-123-333-00	ELECT 100MF 20% 16V	
C016	1-101-810-00	CERAMIC 100PF 5% 500V	
C018	1-136-165-00	FILM 0.1MF 5% 50V	
C019	1-123-332-00	ELECT 47MF 20% 25V	

The components identified by shading and mark A are critical for safety. Replace only with part number specified.



D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
D12	*1-508-786-00	2P PLUG (M)		D508	8-719-911-19	DIODE 1SS119	
D14	*1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P		D601	8-719-503-06	DIODE S3WB60Z	
D15	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		D602	8-719-924-06	DIODE ERC24-06S	
D16	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		D603	8-719-911-19	DIODE 1SS119	
D17	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P		D651	8-719-928-08	DIODE ERD28-08	
D18	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P		D652	8-719-924-06	DIODE ERC24-06S	
D19	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P		D653	8-719-901-93	DIODE V19E	
D20	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P		D654	8-719-300-59	DIODE CTU-12S	
D21	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)		D655	8-719-901-93	DIODE V19E	
D22	*1-560-127-00	PLUG, CONNECTOR (2.5MM PITCH)		D656	8-719-982-04	DIODE ERB81-004	
D23	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)		D657	8-719-102-68	DIODE RD5.1E-N2	
D24	*1-508-784-00	1P PLUG		D659	8-719-911-19	DIODE 1SS119	
DY1	*1-508-765-00	3P PLUG (M)		D661	8-719-102-78	DIODE RD6.8E-N2	
DY2	*1-508-765-00	3P PLUG (M)		D801	8-719-900-26	DIODE ERD29-08J	
DY3	*1-508-766-00	4P PLUG (M)		D802	8-719-903-09	DIODE V30N	
<u>TRIMMER</u>				D803	8-719-924-06	DIODE ERC24-06S	
CV301	1-141-181-11	CAP, TRIMMER		D804	8-719-924-06	DIODE ERC24-06S	
<u>DIODE</u>				D805	8-719-305-15	DIODE GH3F	
D001	8-719-911-19	DIODE 1SS119		D806	8-719-305-15	DIODE GH3F	
D002	8-719-911-19	DIODE 1SS119		D810	8-719-907-40	DIODE ERB43-02	
D004	8-719-911-19	DIODE 1SS119		<u>DELAY LINE</u>			
D005	8-759-157-40	IC UPC574J		DL301	1-415-336-00	DELAY LINE, Y	
D006	8-719-101-02	DIODE RD30E-B4		DL302	1-415-122-31	DELAY LINE, 1H (PAL)	
D008	8-719-911-19	DIODE 1SS119		<u>IC</u>			
D009	8-719-101-35	DIODE RD3.0E-L2		IC001	8-759-602-09	IC CX523-110P	
D010	8-719-911-19	DIODE 1SS119		IC002	8-759-600-92	IC M58657P	
D060	8-719-911-19	DIODE 1SS119		IC201	8-759-340-53	IC HD14053BP	
D061	8-719-100-35	DIODE RD5.6E-B2		IC251	8-759-276-30	IC TA7630P	
D201	8-719-911-19	DIODE 1SS119		IC252	8-749-943-62	IC STK-4362	
D202	8-719-911-19	DIODE 1SS119		IC301	6-066-720-60	IC TDA3562A	
D203	8-719-911-19	DIODE 1SS119		IC551	8-759-907-56	IC TDA2578A	
D204	8-719-911-19	DIODE 1SS119		IC552	8-759-907-57	IC TDA3652	
D205	8-719-911-19	DIODE 1SS119		IC651	8-759-100-75	IC UPC1394C	
D206	8-719-911-19	DIODE 1SS119		<u>COIL</u>			
D208	8-719-100-66	DIODE RD12E-B3		L251	1-408-300-00	MICRO INDUCTOR 6.8UH	
D251	8-719-100-43	DIODE RD7.5E-B1		L252	1-408-300-00	MICRO INDUCTOR 6.8UH	
D252	8-719-911-19	DIODE 1SS119		L301	1-404-495-00	COIL	
D301	8-719-911-19	DIODE 1SS119		L302	1-408-421-00	MICRO INDUCTOR 100UH	
D303	8-719-911-19	DIODE 1SS119		L304	1-408-408-00	MICRO INDUCTOR 8.2UH	
D307	8-719-911-19	DIODE 1SS119		L305	1-408-227-00	MICRO INDUCTOR 470UH	
D308	8-719-911-19	DIODE 1SS119		L306	1-404-494-00	COIL	
D309	8-719-911-19	DIODE 1SS119		L307	1-404-498-00	COIL	
D310	8-719-911-19	DIODE 1SS119		L308	1-408-415-00	MICRO INDUCTOR 33UH	
D311	8-719-911-19	DIODE 1SS119		L309	1-408-414-00	MICRO INDUCTOR 27UH	
D312	8-719-911-19	DIODE 1SS119		L601	1-407-365-00	COIL, CHOKE	
D501	8-719-911-55	DIODE U05G		L651	1-425-613-00	COIL, AIR-CORE, QF TYPE	
D502	8-719-906-98	DIODE EQA01-22R2		L652	1-459-585-11	COIL (WITH CORE) (DRUM TYPE)	
D503	8-719-992-42	DIODE EQA01-24R2		L801	1-407-365-00	COIL, CHOKE	
D504	8-719-102-78	DIODE RD6.8E-N2		L802	1-408-225-00	MICRO INDUCTOR 3.3UH	
D506	8-719-911-19	DIODE 1SS119		L803	1-459-224-00	HLC	
D507	8-719-911-19	DIODE 1SS119					



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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
L804	1-421-390-00	COIL, FERRITE (PMC)		Q655	8-729-109-53	TRANSISTOR 2SD795A	
L805	1-408-239-00	MICRO INDUCTOR 4.7MMH		Q656	8-729-245-83	TRANSISTOR 2SC2458	
L806	1-421-329-00	COIL, CHOKE		Q801	8-729-323-82	TRANSISTOR 2SD1138-02-C	
L807	1-421-329-00	COIL, CHOKE		Q802	8-729-300-90	TRANSISTOR 2SD1497-06	
L808	1-407-365-00	COIL, CHOKE		Q803	8-726-400-02	THYRISTOR SG264A	
L809	1-437-090-00	HDT			2-825-006-00	SPACER, MICA; Q803	
L810	1-408-240-00	MICRO INDUCTOR 6.8MMH			3-703-320-00	BUSHING (A), TRANSISTOR; Q803	
L811	1-407-365-00	COIL, CHOKE			*4-309-762-00	RETAINER (MD-17), TRANSISTOR; Q803	
L891	1-459-443-00	COIL, FERRITE					
TRANSISTOR				RESISTOR			
Q001	8-729-204-83	TRANSISTOR 2SA1048GR		R001	1-247-831-00	CARBON 1K 5% 1/6W	
Q002	8-729-204-83	TRANSISTOR 2SA1048GR		R002	1-247-831-00	CARBON 1K 5% 1/6W	
Q003	8-729-245-83	TRANSISTOR 2SC2458		R003	1-247-831-00	CARBON 1K 5% 1/6W	
Q004	8-729-245-83	TRANSISTOR 2SC2458		R004	1-247-815-00	CARBON 220 5% 1/6W	
Q006	8-729-245-83	TRANSISTOR 2SC2458		R005	1-247-815-00	CARBON 220 5% 1/6W	
Q007	8-724-375-01	TRANSISTOR 2SC403C		R006	1-247-815-00	CARBON 220 5% 1/6W	
Q008	8-729-245-83	TRANSISTOR 2SC2458		R007	1-247-815-00	CARBON 220 5% 1/6W	
Q009	8-729-245-83	TRANSISTOR 2SC2458		R008	1-247-815-00	CARBON 220 5% 1/6W	
Q011	8-729-245-83	TRANSISTOR 2SC2458		R009	1-247-815-00	CARBON 220 5% 1/6W	
Q012	8-729-245-83	TRANSISTOR 2SC2458		R010	1-247-815-00	CARBON 220 5% 1/6W	
Q201	8-729-204-83	TRANSISTOR 2SA1048GR		R011	1-247-815-00	CARBON 220 5% 1/6W	
Q202	8-729-245-83	TRANSISTOR 2SC2458		R012	1-247-799-00	CARBON 47 5% 1/6W	
Q203	8-729-204-83	TRANSISTOR 2SA1048GR		R013	1-247-815-00	CARBON 220 5% 1/6W	
Q204	8-729-245-83	TRANSISTOR 2SC2458		R014	1-247-847-00	CARBON 4.7K 5% 1/6W	
Q205	8-729-245-83	TRANSISTOR 2SC2458		R015	1-247-847-00	CARBON 4.7K 5% 1/6W	
Q206	8-729-204-83	TRANSISTOR 2SA1048GR		R016	1-247-147-00	CARBON 4.7K 5% 1/4W	
Q207	8-729-204-83	TRANSISTOR 2SA1048GR		R018	1-247-831-00	CARBON 1K 5% 1/6W	
Q208	8-729-204-83	TRANSISTOR 2SA1048GR		R019	1-247-875-00	CARBON 68K 5% 1/6W	
Q251	8-729-245-83	TRANSISTOR 2SC2458		R021	1-247-859-00	CARBON 15K 5% 1/6W	
Q252	8-729-245-83	TRANSISTOR 2SC2458		R022	1-247-859-00	CARBON 15K 5% 1/6W	
Q253	8-729-245-83	TRANSISTOR 2SC2458		R023	1-247-807-00	CARBON 100 5% 1/6W	
Q254	8-729-245-83	TRANSISTOR 2SC2458		R025	1-247-863-00	CARBON 22K 5% 1/6W	
Q301	8-729-245-83	TRANSISTOR 2SC2458		R026	1-247-159-00	CARBON 15K 5% 1/4W	
Q302	8-765-222-20	TRANSISTOR 2SC1963		R027	1-247-863-00	CARBON 22K 5% 1/6W	
Q303	8-729-245-83	TRANSISTOR 2SC2458		R028	1-247-863-00	CARBON 22K 5% 1/6W	
Q304	8-729-245-83	TRANSISTOR 2SC2458		R029	1-247-863-00	CARBON 22K 5% 1/6W	
Q305	8-729-245-83	TRANSISTOR 2SC2458		R030	1-247-863-00	CARBON 22K 5% 1/6W	
Q306	8-729-245-83	TRANSISTOR 2SC2458		R031	1-247-863-00	CARBON 22K 5% 1/6W	
Q307	8-729-245-83	TRANSISTOR 2SC2458		R032	1-247-863-00	CARBON 22K 5% 1/6W	
Q308	8-729-245-83	TRANSISTOR 2SC2458		R033	1-247-863-00	CARBON 22K 5% 1/6W	
Q309	8-729-245-83	TRANSISTOR 2SC2458		R034	1-247-863-00	CARBON 22K 5% 1/6W	
Q310	8-729-245-83	TRANSISTOR 2SC2458		R035	1-247-863-00	CARBON 22K 5% 1/6W	
Q311	8-729-245-83	TRANSISTOR 2SC2458		R037	1-247-831-00	CARBON 1K 5% 1/6W	
Q312	8-729-245-83	TRANSISTOR 2SC2458		R038	1-247-841-00	CARBON 2.7K 5% 1/6W	
Q313	8-729-245-83	TRANSISTOR 2SC2458		R039	1-247-807-00	CARBON 100 5% 1/6W	
Q314	8-729-900-36	TRANSISTOR DTC124ES		R040	1-247-863-00	CARBON 22K 5% 1/6W	
Q501	8-729-204-83	TRANSISTOR 2SA1048GR		R041	1-247-867-00	CARBON 33K 5% 1/6W	
Q502	8-729-204-83	TRANSISTOR 2SA1048GR		R042	1-247-823-00	CARBON 470 5% 1/6W	
Q596	8-729-245-83	TRANSISTOR 2SC2458		R043	1-247-823-00	CARBON 470 5% 1/6W	
Q602	8-729-213-12	TRANSISTOR 2SC2230A		R044	1-247-831-00	CARBON 1K 5% 1/6W	
Q603	8-729-301-00	TRANSISTOR 2SD1497-02		R045	1-247-831-00	CARBON 1K 5% 1/6W	
Q654	8-729-245-83	TRANSISTOR 2SC2458		R046	1-247-847-00	CARBON 4.7K 5% 1/6W	
				R047	1-247-807-00	CARBON 100 5% 1/6W	



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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R048	1-247-871-00	CARBON	47K 5% 1/6W	R253	1-247-855-00	CARBON	10K 5% 1/6W
R049	1-247-863-00	CARBON	22K 5% 1/6W	R254	1-247-861-00	CARBON	18K 5% 1/6W
R050	1-247-831-00	CARBON	1K 5% 1/6W	R257	1-247-831-00	CARBON	1K 5% 1/6W
R051	1-247-831-00	CARBON	1K 5% 1/6W	R258	1-247-831-00	CARBON	1K 5% 1/6W
R052	1-247-831-00	CARBON	1K 5% 1/6W	R259	1-247-855-00	CARBON	10K 5% 1/6W
R053	1-247-883-00	CARBON	150K 5% 1/6W	R260	1-247-875-00	CARBON	68K 5% 1/6W
R055	1-247-847-00	CARBON	4.7K 5% 1/6W	R261	1-247-843-00	CARBON	3.3K 5% 1/6W
R056	1-247-859-00	CARBON	15K 5% 1/6W	R262	1-217-393-00	FUSIBLE	33 5% 1/4W F
R057	1-247-855-00	CARBON	10K 5% 1/6W	R263	1-247-869-00	CARBON	39K 5% 1/6W
R058	1-247-879-00	CARBON	100K 5% 1/6W	R264	1-247-874-00	CARBON	62K 5% 1/6W
R059	1-247-855-00	CARBON	10K 5% 1/6W	R265	1-247-845-00	CARBON	3.9K 5% 1/6W
R060	1-247-819-00	CARBON	330 5% 1/6W	R266	1-247-855-00	CARBON	10K 5% 1/6W
R201	1-247-869-00	CARBON	39K 5% 1/6W	R267	1-247-903-00	CARBON	1M 5% 1/6W
R202	1-247-831-00	CARBON	1K 5% 1/6W	R268	1-247-831-00	CARBON	1K 5% 1/6W
R203	1-247-804-00	CARBON	75 5% 1/6W	R269	1-247-863-00	CARBON	22K 5% 1/6W
R207	1-247-867-00	CARBON	33K 5% 1/6W	R270	1-247-129-00	CARBON	820 5% 1/4W
R208	1-247-863-00	CARBON	22K 5% 1/6W	R271	1-247-881-00	CARBON	120K 5% 1/6W
R209	1-247-147-00	CARBON	4.7K 5% 1/4W	R273	1-247-875-00	CARBON	68K 5% 1/6W
R210	1-247-147-00	CARBON	4.7K 5% 1/4W	R274	1-247-847-00	CARBON	4.7K 5% 1/6W
R211	1-247-853-00	CARBON	8.2K 5% 1/6W	R275	1-247-855-00	CARBON	10K 5% 1/6W
R212	1-247-821-00	CARBON	390 5% 1/6W	R276	1-247-129-00	CARBON	820 5% 1/4W
R213	1-247-783-00	CARBON	10 5% 1/6W	R277	1-247-855-00	CARBON	10K 5% 1/6W
R214	1-247-811-00	CARBON	150 5% 1/6W	R280	1-247-879-00	CARBON	100K 5% 1/6W
R215	1-247-831-00	CARBON	1K 5% 1/6W	R281	1-247-849-00	CARBON	5.6K 5% 1/6W
R216	1-247-831-00	CARBON	1K 5% 1/6W	R282	1-247-847-00	CARBON	4.7K 5% 1/6W
R217	1-247-855-00	CARBON	10K 5% 1/6W	R284	1-247-005-00	CARBON	100 5% 1/4W F
R218	1-247-804-00	CARBON	75 5% 1/6W	R285	1-247-847-00	CARBON	4.7K 5% 1/6W
R219	1-247-031-00	CARBON	27 5% 1/8W F	R286	1-247-849-00	CARBON	5.6K 5% 1/6W
R220	1-247-831-00	CARBON	1K 5% 1/6W	R287	1-247-879-00	CARBON	100K 5% 1/6W
R221	1-247-831-00	CARBON	1K 5% 1/6W	R288	1-247-881-00	CARBON	120K 5% 1/6W
R224	1-247-823-00	CARBON	470 5% 1/6W	R289	1-247-871-00	CARBON	47K 5% 1/6W
R225	1-247-807-00	CARBON	100 5% 1/6W	R297	1-247-831-00	CARBON	1K 5% 1/6W
R226	1-247-807-00	CARBON	100 5% 1/6W	R298	1-247-831-00	CARBON	1K 5% 1/6W
R227	1-247-807-00	CARBON	100 5% 1/6W	R301	1-247-835-00	CARBON	1.5K 5% 1/6W
R228	1-247-807-00	CARBON	100 5% 1/6W	R302	1-247-835-00	CARBON	1.5K 5% 1/6W
R229	1-247-807-00	CARBON	100 5% 1/6W	R303	1-247-816-00	CARBON	240 5% 1/6W
R230	1-247-155-00	CARBON	10K 5% 1/4W	R304	1-247-837-00	CARBON	1.8K 5% 1/6W
R231	1-247-831-00	CARBON	1K 5% 1/6W	R305	1-247-831-00	CARBON	1K 5% 1/6W
R232	1-247-879-00	CARBON	100K 5% 1/6W	R306	1-247-831-00	CARBON	1K 5% 1/6W
R234	1-247-831-00	CARBON	1K 5% 1/6W	R307	1-247-831-00	CARBON	1K 5% 1/6W
R235	1-247-847-00	CARBON	4.7K 5% 1/6W	R308	1-247-819-00	CARBON	330 5% 1/6W
R236	1-247-877-00	CARBON	82K 5% 1/6W	R309	1-247-837-00	CARBON	1.8K 5% 1/6W
R237	1-247-903-00	CARBON	1M 5% 1/6W	R310	1-247-853-00	CARBON	8.2K 5% 1/6W
R238	1-247-855-00	CARBON	10K 5% 1/6W	R313	1-247-815-00	CARBON	220 5% 1/6W
R239	1-247-871-00	CARBON	47K 5% 1/6W	R314	1-247-831-00	CARBON	1K 5% 1/6W
R240	1-247-887-00	CARBON	220K 5% 1/6W	R315	1-247-841-00	CARBON	2.7K 5% 1/6W
R241	1-247-887-00	CARBON	220K 5% 1/6W	R316	1-247-841-00	CARBON	2.7K 5% 1/6W
R242	1-247-827-00	CARBON	680 5% 1/6W	R317	1-247-865-00	CARBON	27K 5% 1/6W
R243	1-247-879-00	CARBON	100K 5% 1/6W	R318	1-247-813-00	CARBON	180 5% 1/6W
R244	1-247-879-00	CARBON	100K 5% 1/6W	R319	1-247-831-00	CARBON	1K 5% 1/6W
R245	1-247-823-00	CARBON	470 5% 1/6W	R320	1-247-881-00	CARBON	120K 5% 1/6W
R246	1-247-823-00	CARBON	470 5% 1/6W	R322	1-247-855-00	CARBON	10K 5% 1/6W
R252	1-247-855-00	CARBON	10K 5% 1/6W	R323	1-247-837-00	CARBON	1.8K 5% 1/6W

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R324	1-247-825-00	CARBON	560 5% 1/6W	R504	1-247-853-00	CARBON	8.2K 5% 1/6W
R325	1-247-821-00	CARBON	390 5% 1/6W	R505	1-247-839-00	CARBON	2.2K 5% 1/6W
R326	1-247-877-00	CARBON	82K 5% 1/6W	R507	1-214-765-00	METAL	33K 1% 1/4W
R327	1-247-831-00	CARBON	1K 5% 1/6W	R507A	1-247-895-00	CARBON	470K 5% 1/6W
R331	1-247-877-00	CARBON	82K 5% 1/6W	R508	1-247-869-00	CARBON	39K 5% 1/6W
R332	1-247-825-00	CARBON	560 5% 1/6W	R509	1-247-831-00	CARBON	1K 5% 1/6W
R333	1-247-853-00	CARBON	8.2K 5% 1/6W	R510	1-247-829-00	CARBON	820 5% 1/6W
R334	1-247-840-00	CARBON	2.4K 5% 1/6W	R511	1-247-851-00	CARBON	6.8K 5% 1/6W
R335	1-247-859-00	CARBON	15K 5% 1/6W	R512	1-247-805-00	CARBON	82 5% 1/6W
R336	1-247-855-00	CARBON	10K 5% 1/6W	R513	1-247-872-00	CARBON	51K 5% 1/6W
R337	1-247-855-00	CARBON	10K 5% 1/6W	R515	1-247-888-00	CARBON	240K 5% 1/6W
R338	1-247-831-00	CARBON	1K 5% 1/6W	R516	1-212-361-00	METAL OXIDE	1.2 5% 1W F
R339	1-247-831-00	CARBON	1K 5% 1/6W	R517	1-247-853-00	CARBON	8.2K 5% 1/6W
R340	1-247-821-00	CARBON	390 5% 1/6W	R518	1-247-851-00	CARBON	6.8K 5% 1/6W
R341	1-247-821-00	CARBON	390 5% 1/6W	R519	1-247-857-00	CARBON	12K 5% 1/6W
R343	1-247-879-00	CARBON	100K 5% 1/6W	R520	1-247-855-00	CARBON	10K 5% 1/6W
R344	1-247-863-00	CARBON	22K 5% 1/6W	R521	1-212-891-00	FUSIBLE	270 5% 1/4W F
R345	1-247-882-00	CARBON	130K 5% 1/6W	R522	1-244-851-51	CARBON	120 5% 1/2W
R346	1-247-815-00	CARBON	220 5% 1/6W	R523	1-247-825-00	CARBON	560 5% 1/6W
R347	1-247-825-00	CARBON	560 5% 1/6W	R525	1-247-841-00	CARBON	2.7K 5% 1/6W
R348	1-247-827-00	CARBON	680 5% 1/6W	R526	1-247-895-00	CARBON	470K 5% 1/6W
R349	1-247-849-00	CARBON	5.6K 5% 1/6W	R527	1-247-845-00	CARBON	3.9K 5% 1/6W
R350	1-247-853-00	CARBON	8.2K 5% 1/6W	R530	1-247-841-00	CARBON	2.7K 5% 1/6W
R351	1-247-863-00	CARBON	22K 5% 1/6W	R531	1-247-821-00	CARBON	390 5% 1/6W
R352	1-247-837-00	CARBON	1.8K 5% 1/6W	R532	1-247-833-00	CARBON	1.2K 5% 1/6W
R353	1-247-843-00	CARBON	3.3K 5% 1/6W	R533	1-247-887-00	CARBON	220K 5% 1/6W
R354	1-247-883-00	CARBON	150K 5% 1/6W	R535	1-247-831-00	CARBON	1K 5% 1/6W
R356	1-247-857-00	CARBON	12K 5% 1/6W	R536	1-247-842-00	CARBON	3K 5% 1/6W
R357	1-247-845-00	CARBON	3.9K 5% 1/6W	R537	1-247-819-00	CARBON	330 5% 1/6W
R358	1-247-861-00	CARBON	18K 5% 1/6W	R538	1-213-140-00	METAL OXIDE	560 5% 1W F
R359	1-247-859-00	CARBON	15K 5% 1/6W	R539	1-247-869-00	CARBON	39K 5% 1/6W
R360	1-247-875-00	CARBON	68K 5% 1/6W	R541	1-247-875-00	CARBON	68K 5% 1/6W
R361	1-247-827-00	CARBON	680 5% 1/6W	R582	1-247-879-00	CARBON	100K 5% 1/6W
R362	1-247-139-00	CARBON	2.2K 5% 1/4W	R591	1-247-839-00	CARBON	2.2K 5% 1/6W
R364	1-247-839-00	CARBON	2.2K 5% 1/6W	R592	1-247-127-00	CARBON	680 5% 1/4W
R365	1-247-857-00	CARBON	12K 5% 1/6W	R596	1-247-893-00	CARBON	390K 5% 1/6W
R366	1-247-839-00	CARBON	2.2K 5% 1/6W	R597	1-247-833-00	CARBON	1.2K 5% 1/6W
R367	1-247-815-00	CARBON	220 5% 1/6W	R598	1-247-851-00	CARBON	6.8K 5% 1/6W
R368	1-247-815-00	CARBON	220 5% 1/6W	R604	1-205-737-00	CEMENTED	30 10% 7W
R369	1-247-815-00	CARBON	220 5% 1/6W	R605	1-205-728-00	CEMENTED	47 10% 7W
R370	1-247-823-00	CARBON	470 5% 1/6W	R606	1-247-791-00	CARBON	22 5% 1/6W
R371	1-247-807-00	CARBON	100 5% 1/6W	R608	1-206-660-00	METAL OXIDE	680 5% 2W F
R372	1-247-833-00	CARBON	1.2K 5% 1/6W	R609	1-247-823-00	CARBON	470 5% 1/6W
R373	1-247-831-00	CARBON	1K 5% 1/6W	R610	1-247-863-00	CARBON	22K 5% 1/6W
R374	1-247-897-00	CARBON	560K 5% 1/6W	R612	1-246-420-00	CARBON	6.2 5% 1/4W
R376	1-246-507-00	CARBON	27K 5% 1/4W	R613	1-247-895-00	CARBON	470K 5% 1/6W
R377	1-246-507-00	CARBON	27K 5% 1/4W	R616	1-247-119-00	CARBON	330 5% 1/4W
R378	1-247-861-00	CARBON	18K 5% 1/6W	R618	1-247-855-00	CARBON	10K 5% 1/8W
R379	1-247-864-00	CARBON	24K 5% 1/6W	R651	1-212-936-00	FUSIBLE	1.2 5% 1/2W F
R380	1-247-877-00	CARBON	82K 5% 1/6W	R652	1-217-653-00	FUSIBLE	0.47 10% 2W
R381	1-247-831-00	CARBON	1K 5% 1/6W	R653	1-217-653-00	FUSIBLE	0.47 10% 2W
R501	1-247-831-00	CARBON	1K 5% 1/6W	R654	1-217-418-00	FUSIBLE	0.47 10% 1/2W F
R502	1-247-139-00	CARBON	2.2K 5% 1/4W	R655	1-214-777-00	METAL	100K 1% 1/4W



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Ref.No.	Part No.	Description	Remark
R656	1-247-839-00	CARBON 2.2K 5% 1/6W	
R657	1-247-863-00	CARBON 22K 5% 1/6W	
R658	1-247-827-00	CARBON 680 5% 1/6W	
R659	1-247-847-00	CARBON 4.7K 5% 1/6W	
R660	1-247-826-00	CARBON 620 5% 1/6W	
R661	1-247-843-00	CARBON 3.3K 5% 1/6W	
R662	1-247-879-00	CARBON 100K 5% 1/6W	
R663	1-247-895-00	CARBON 470K 5% 1/6W	
R664	1-247-869-00	CARBON 39K 5% 1/6W	
R665	1-247-865-00	CARBON 27K 5% 1/6W	
R666	1-247-855-00	CARBON 10K 5% 1/6W	
R667	1-247-859-00	CARBON 15K 5% 1/6W	
R669	1-246-525-00	CARBON 150K 5% 1/4W	
R670	1-247-855-00	CARBON 10K 5% 1/6W	
R671	1-247-843-00	CARBON 3.3K 5% 1/6W	
R672	1-247-837-00	CARBON 1.8K 5% 1/8W F	
R674	1-213-149-00	METAL OXIDE 3.3 5% 1W F	
R675	1-214-749-00	METAL 6.8K 1% 1/4W	
R676	1-214-753-00	METAL 10K 1% 1/4W	
R801	1-247-807-00	CARBON 100 5% 1/6W	
R802	1-247-236-00	CARBON 680 5% 1/2W	
R803	1-247-803-00	CARBON 68 5% 1/6W	
R804	1-213-147-00	METAL OXIDE 2.2K 5% 1W F	
R805	1-213-146-00	METAL OXIDE 1.8K 5% 1W F	
R806	1-202-838-00	SOLID 100K 1/2W	
R807	1-202-818-00	SOLID 1K 1/2W	
R808	1-202-826-00	SOLID 4.7K 1/2W	
R809	1-244-924-00	CARBON 130K 5% 1/2W	
R810	1-210-859-00	CARBON 1.2 5% 1/8W F	
R811	1-217-418-00	FUSIBLE 0.47 10% 1/2W F	
R812	1-247-863-00	CARBON 22K 5% 1/6W	
R815	1-206-658-00	METAL OXIDE 560 5% 2W F	
R817	1-206-459-00	METAL OXIDE 6.8 5% 2W F	
R818	1-247-791-00	CARBON 22 5% 1/8W F	
R820	1-217-220-00	WIREWOUND 47 10% 2W F	
R821	1-210-825-00	SOLID 3.3M 5% 1/4W	
R822	1-247-889-00	CARBON 270K 5% 1/6W	
R824	1-207-616-00	WIREWOUND 0.47 10% 2W F	
R825	1-213-144-00	METAL OXIDE 1.2K 5% 1W F	
R826	1-247-855-00	CARBON 10K 5% 1/6W	
R827	1-217-399-00	FUSIBLE 100 5% 1/4W F	
VARIABLE RESISTOR			
RV251	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
RV301	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K	
RV302	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
RV303	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K	
RV501	1-228-723-00	RES, ADJ, CERAMIC CARBON 4.7K	
RV502	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K	
RV651	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K	

Ref.No.	Part No.	Description	Remark
SPARK GAP			
SG801	1-519-063-XX	DISCHARGING GAP	
TRANSFORMER			
T301	1-426-121-00	DAT	
T602	1-421-412-11	COIL, FERRITE	
T604	1-437-147-11	TRANSFORMER, FERRITE	
T605	1-437-079-00	TRANSFORMER, HORIZONTAL DRIVE	
T606	1-421-733-11	SRT	
T607	1-421-624-12	TRANSFORMER, CURRENT	
T801	1-437-149-11	TRANSFORMER, HORIZONTAL DRIVE	
T802	1-439-332-21	TRANSFORMER ASSY, FLYBACK	
T891	1-421-634-00	TRANSFORMER, FERRITE (V.PCT)	
CRYSTAL			
X301	1-527-789-00	VINRATOR, CRYSTAL	
*****			
*1-611-170-00	J1 BOARD	*****	
JACK			
CN901	1-507-657-00	JACK	
RESISTOR			
R901	1-247-123-00	CARBON 470 5% 1/4W	
R902	1-247-123-00	CARBON 470 5% 1/4W	
*****			
*1-606-794-00	N BOARD	*****	
*4-342-117-00	CASE, SHIELD (MAIN), R		
*4-342-118-00	LID, SHIELD CASE, R		
CAPACITOR			
C1	1-123-617-00	ELECT 10MF 20% 16V	
C2	1-123-617-00	ELECT 10MF 20% 16V	
C3	1-123-617-00	ELECT 10MF 20% 16V	
C4	1-161-057-00	CERAMIC 0.033MF 10% 25V	
C5	1-106-184-00	MYLAR 0.0033MF 5% 50V	
C6	1-123-821-00	ELECT 47MF 20% 16V	
DIODE			
D1	8-719-110-32	DIODE PH302B	
IC			
IC1	8-759-102-84	IC UPC1373HA	

Ref.No.	Part No.	Description	Remark
COIL			
L1	1-404-310-00	COIL	
*****			
MISCELLANEOUS			
*****			
A	1-451-226-11	DEFLECTION YOKE (SV105A)	
	1-452-032-00	MAGNET, DISK; 10MM ø	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ø	
	1-452-146-21	MAGNET, BMC	
A	1-452-315-11	CRT NECK ASSY (NA303)	
A	1-536-817-11	TERMINAL BOARD ASSY, ANTENNA	
	1-543-179-00	CORE, RING	
A	1-551-270-11	CORD, POWER	
L901	A 1-426-041-21	COIL, DEGAUSSING	
L902	A 1-426-041-21	COIL, DEGAUSSING	
RV901	A 1-228-544-11	RESISTOR ASSY, HIGH-VOLTAGE	
RV902	A 1-215-066-21	RES ASSY, HIGH-VOLTAGE	
S901	A 1-554-762-21	SWITCH, PUSH (AC POWER)(1 KEY)	
V901	A 8-738-405-05	CRT (680DB22,680EB22)	
*****			
ACCESSORIES AND PACKING MATERIALS			
*****			
Part No.	Description	Remark	
A-1470-625-A	COMMANDER ASSY (RM-635)		
4-361-988-02	BAG, PROTECTION		
4-363-613-00	CUSHION (UPPER) (ASSY)		
4-369-747-01	INDIVIDUAL CARTON (FOR GRAY)		
4-369-748-01	INDIVIDUAL CARTON (FOR WHITE)		
4-369-749-01	CUSHION (LOWER)		
4-482-013-11	MANUAL, INSTRUCTION		
4-491-803-01	SCHEMATIC DIAGRAM (B2)		

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

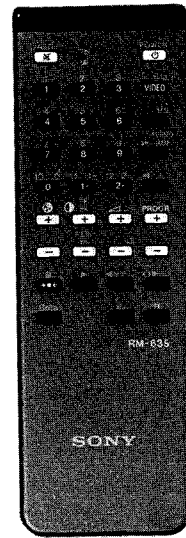
The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.



# RM-635

KV-2730EC  
RM-635

## SERVICE MANUAL



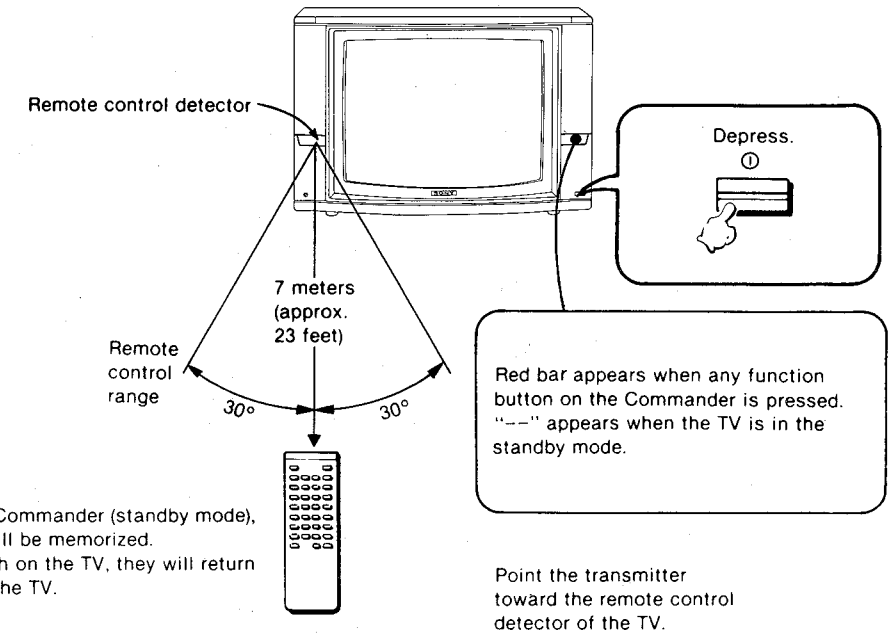
November, 1984

### SPECIFICATIONS

Remote control system	Infrared control
Power requirements	3 V dc
	2 batteries IEC designation R03 (size AAA)
Dimensions	Approx. 54 × 16 × 165 mm (w/h/d)
Weight	Approx. 100 g
	incl. batteries
Accessories supplied	IEC designation R03 battery (2)

Design and specifications are subject to change without notice.

### 1. REMOTE TV OPERATION



If the TV is turned off with the Remote Commander (standby mode), the picture, color and sound settings will be memorized.  
If the TV is turned off with the ① switch on the TV, they will return to the levels fixed with the controls of the TV.

### FUNCTION OF THE BUTTONS ON THE REMOTE COMMANDER

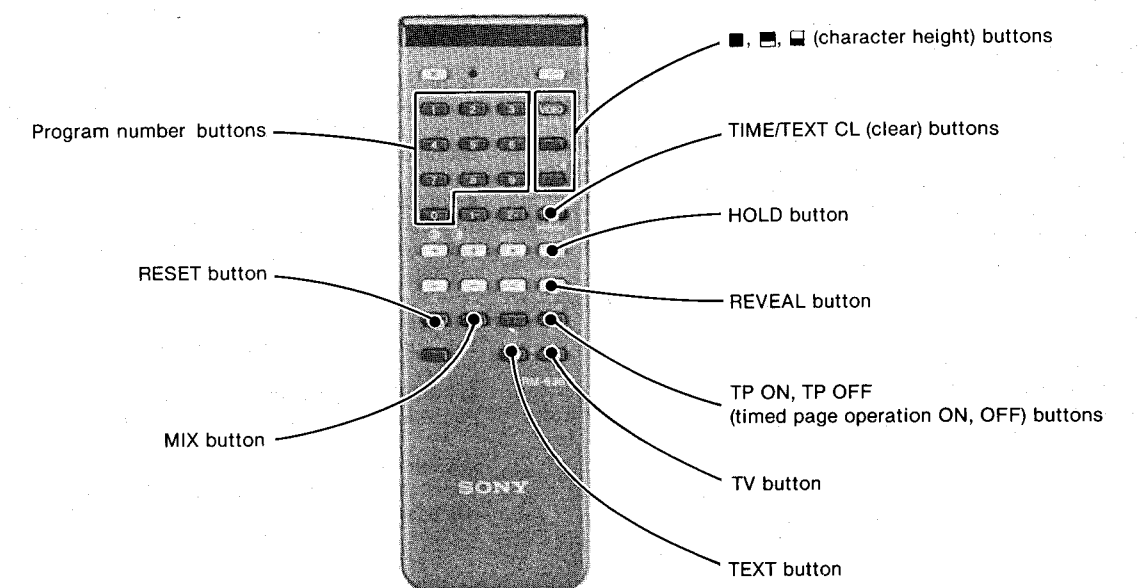
Each button has different functions for normal TV, teletext and VTR operations.  
Functions for operating the TV are indicated in **white or black**.  
Functions for operating the video tape recorder\* are indicated in **brown**.

Functions for teletext operation using the optional OPK-203 teletext adaptor are indicated in **green**.

\* This Remote Commander can control the Sony SL-F1E combined with the TT-F1 series tuner timer unit, and Sony SL-C9 series.

#### Buttons used for teletext operations

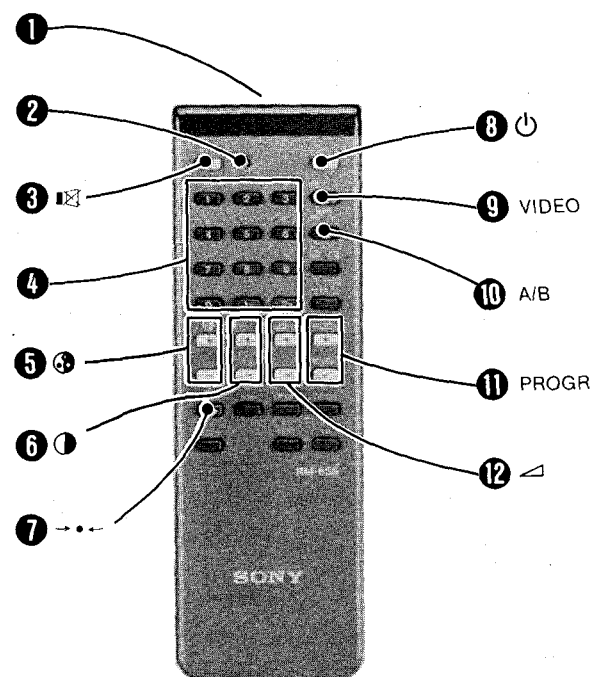
The following functions are for operating the TV as a teletext display by installing the optional Sony OPK-203 teletext adaptor. For details, please consult a dealer prepared to install a teletext adaptor.



REMOTE COMMANDER  
**SONY**



## Buttons used for normal TV operation

**1 Transmitter**

Point towards the remote control detector.

**2 Pilot lamp**

Lights when any button on the Remote Commander is pressed. If the lamp does not light when the button is pressed, battery replacement is required.

**3 (sound mute) button**

When you want to mute the sound (to answer the telephone, for instance), press this button. To restore the sound, press this button again.

**4 Program number buttons**

Programs are displayed by pressing the corresponding numbers. For programs 1 through 9, press the appropriate single-digit button.

For programs 10 through 19, press the **1-** button (the tens-digit "1" will blink on the program indicator), then the button corresponding to the last digit of the program number (the tens-digit will now stop blinking). For example: for program 10, press **1-** and **0**; for program 11, press **1-** and **1**.

For programs 20 to 29, press the **2-** button and then the single-digit button. For program 30, press the **0** button.

**Note:** If you do not press a single-digit button within several seconds after pressing the **1-** or **2-** button, the previous program setting will be automatically recalled.

**5 (color) buttons**

Adjust the color intensity. Press the **+** button to increase it, or the **-** button to decrease it.

**6 (picture) buttons**

Press the **+** button to increase the picture contrast, or the **-** button to decrease it.

**7 →•• (normal) button**

Press this button once instantly returns the color and contrast settings made with the **5** and **6** buttons on the Commander to the factory preset levels.

**8 (standby) switch**

Turns the TV in standby mode. Program indicator will show "—". To turn on the TV from the standby mode, press a program number button or **7** button on the Commander.

**9 VIDEO button**

This button is not usable for this TV. When this button is pressed, "AU" will momentarily light in the program indicator, but will immediately disappear.

**10 A/B button**

This button is not usable for this TV.

**11 PROGR (program) buttons**

Function the same as the PROGR buttons on the TV.

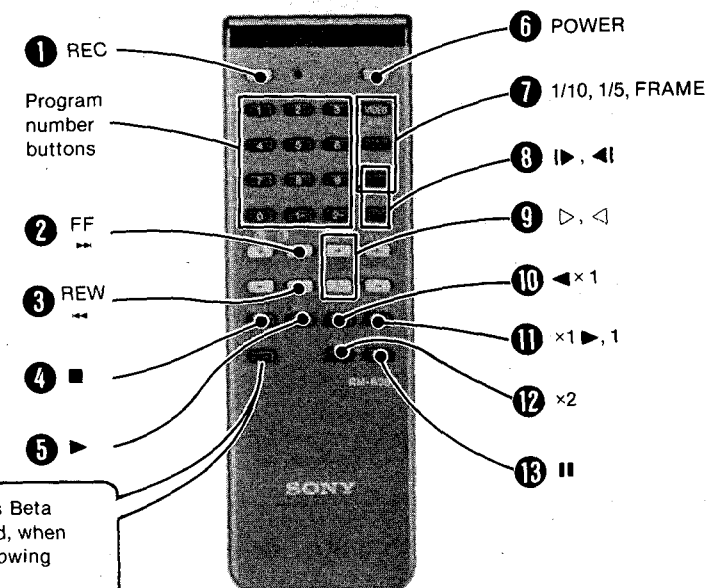
**12 (volume) buttons**

Press the **+** button to increase the volume, or the **-** button to decrease it.

## Buttons used for VTR operations

To operate the VTR, point the transmitter toward the remote control detector of the VTR (SL-C9 series) or the tuner timer unit (TT-F1 series).

Always keep this Beta button depressed, when pressing the following buttons.



## Buttons which have the same functions for both SL-C9 series and SL-F1E

**1 REC (record) button**

Press to start recording.

**2 FF (fast-forward) button**

Press to advance the tape rapidly. This button is also used for the forward picture-search operation.

**3 REW (rewind) button**

Press to rewind the tape. This button is also used for the reverse picture-search operation.

**4 (stop) button**

Press to stop the tape.

**5 (play) button**

Press to play the tape back.

**6 POWER switch**

Press to turn the video tape recorder (and the tuner timer unit) on or off.

**7 x2 (double-speed) button**

Functions the same as the x2 button on the video tape recorder. Press to obtain a double-speed playback picture.

**8 (pause) button**

Functions the same as the (PAUSE) button on the SL-C9 series and the PAUSE button on the SL-F1E. To release the pause mode, press this button again.

## Buttons used for the SL-C9 series

**7 Speed control buttons (1/10, 1/5, FRAME)**

Function the same as the 1/10, 1/5 and FRAME of the SPEED CONTROL buttons on the recorder.

**8 (forward) and 9 (reverse) buttons**

Select the direction of the speed control playback. Function the same as the (forward) and (reverse) buttons of the SPEED CONTROL buttons on the recorder.

**10 1 (normal speed) button**

Functions the same as the 1 button of the SPEED CONTROL buttons on the recorder.

## Buttons used for the SL-F1E

**11 (forward slow motion) and 12 (reverse slow motion) buttons**

Function the same as the (forward) and (reverse) SWING SEARCH buttons on the SL-F1E.

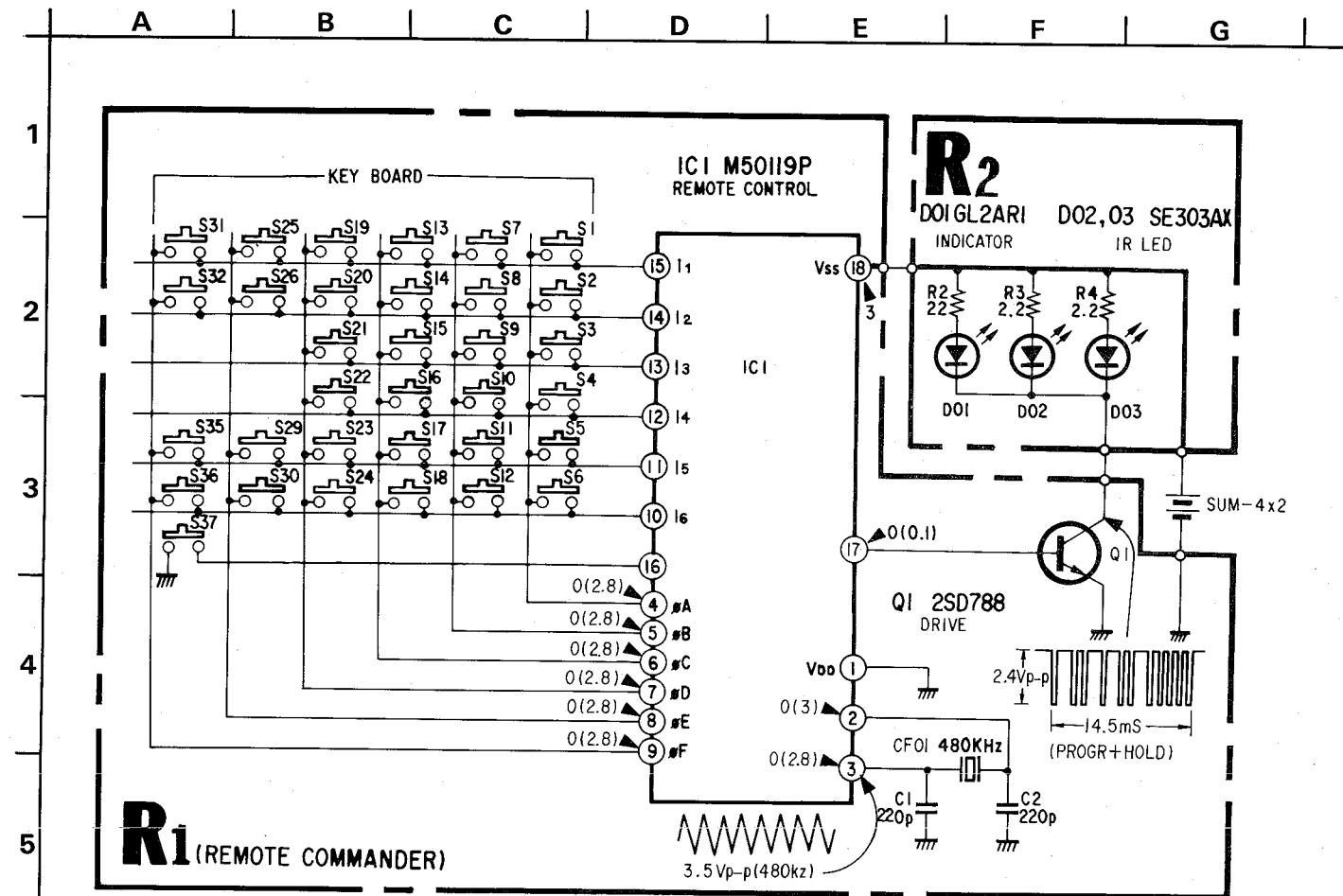
**13 (reverse) button and 14 (forward) button**

Function the same as the (reverse) and (forward) SWING SEARCH buttons on the SL-F1E.



R1 R2

## 2. SCHEMATIC DIAGRAM

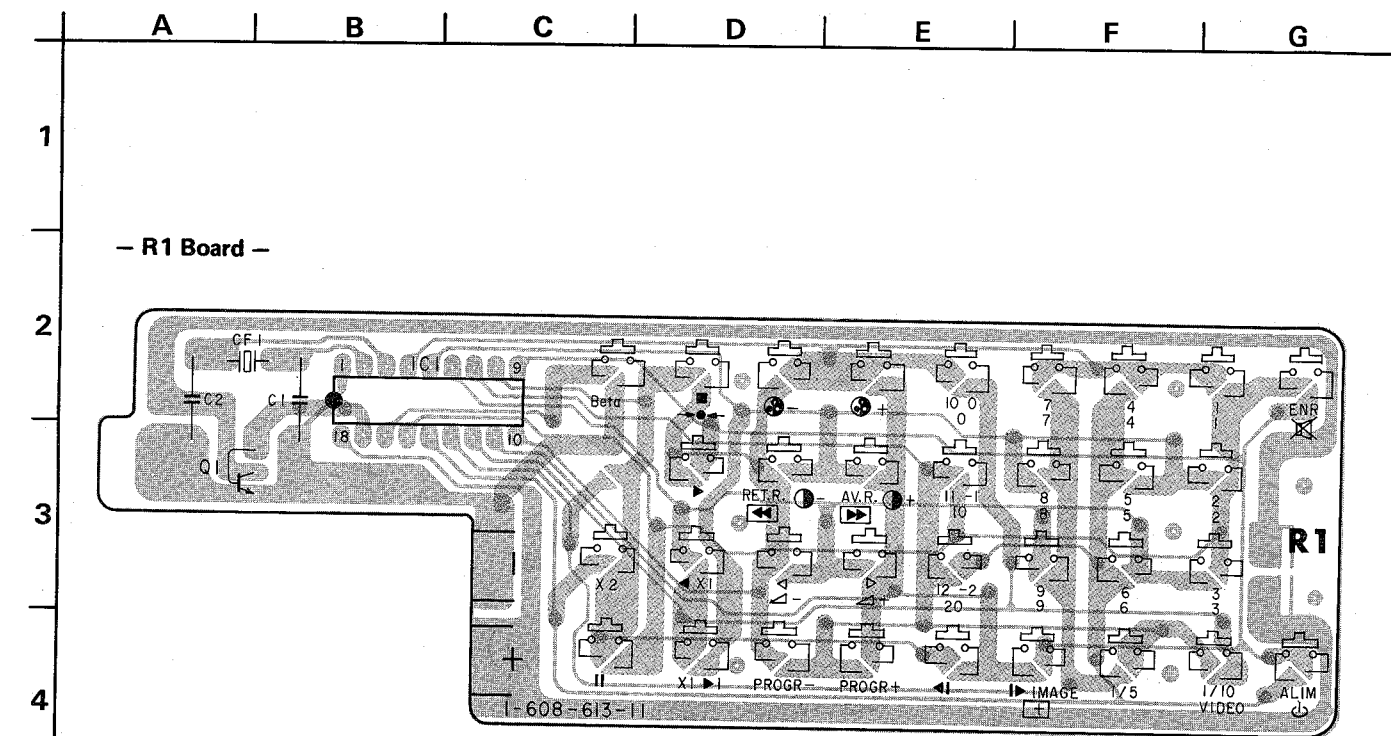


KEY MATRIX

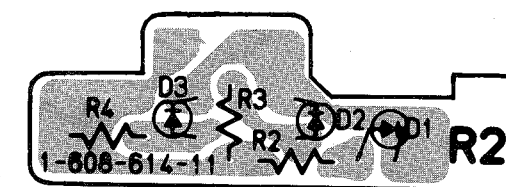
	#A	#B	#C	#D	#E	#F
11	S1 1	S7 2	S13 3	S19 1 -	S25 II	S31
12	S2 4	S8 5	S14 6	S20 2 -	S26 X2	S32
13	S3 7	S9 8	S15 9	S21 VIDEO I/O	S27	S33
14	S4 0	S10 X1 I	S16 X1	S22 A/B	S28	S34
15	S5 +	S11 +	S17 +	S23 PROGR +	S29 II	S35 FRAME
16	S6 -	S12 -	S18 -	S24 PROGR -	S30 ->-	S36
						S37 Beta

- Voltages and waveforms are for when any push button is pressed.
- Voltages in ( ) are taken with button not pressed.
- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{F}$  50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms,  $\frac{1}{4}\text{W}$  unless otherwise noted. k: 1000  $\Omega$ , M: 1000 k $\Omega$
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

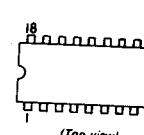
## 3. MOUNTING DIAGRAMS



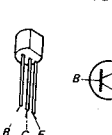
- R2 Board -



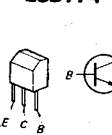
M50119P



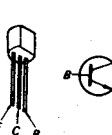
2SD789



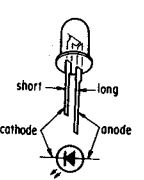
2SD774



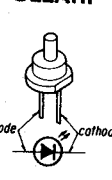
2SC1474  
2SD788



SE303AY



GL2ARI



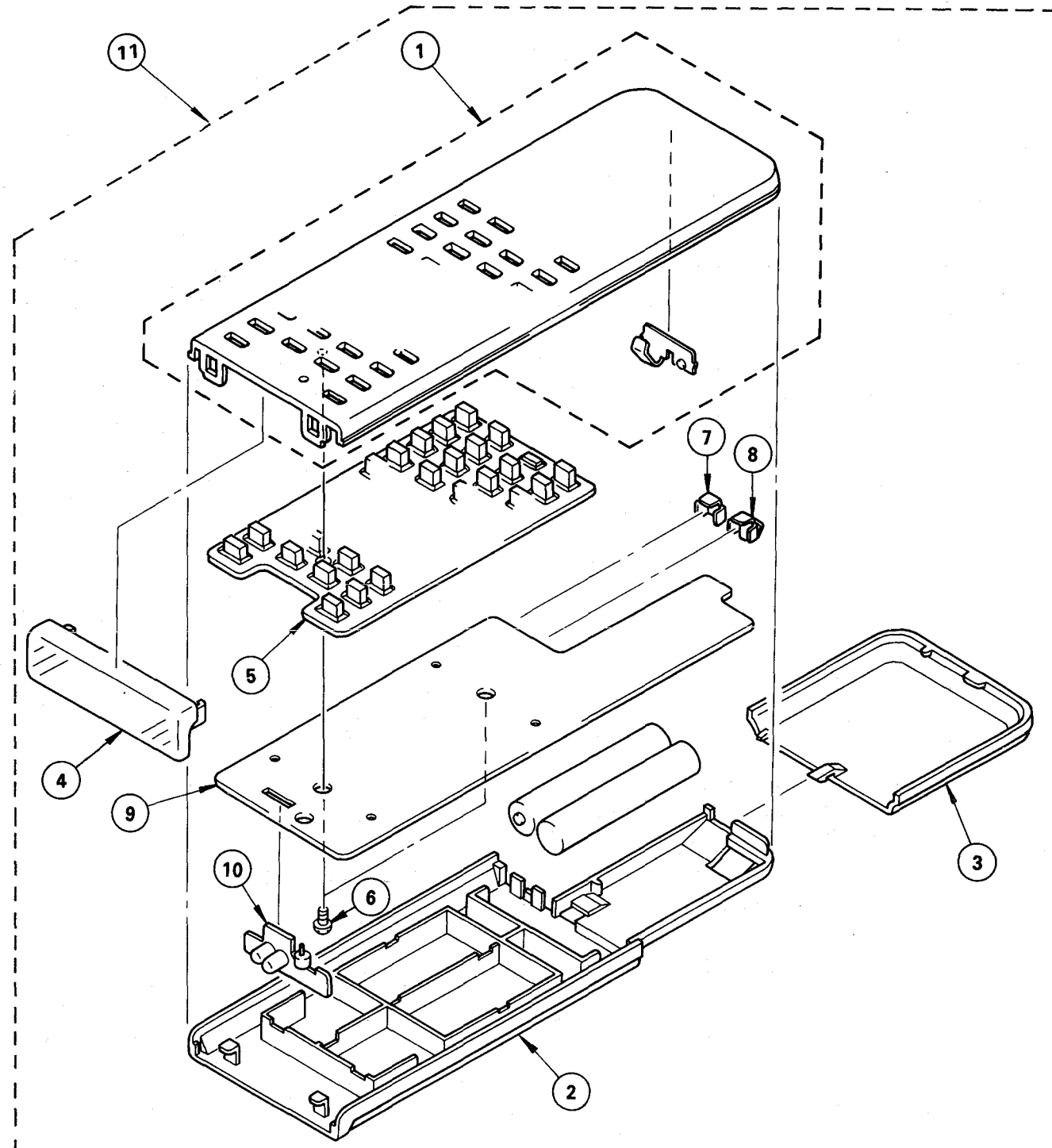


## 4. EXPLODED VIEW

## NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4362-211-0	CASE (UPPER) ASSY, COMMANDER		6	4-356-741-00	SCREW, TAPPING (BIND 2X5)	
2	4-361-948-00	CASE (LOWER), COMMANDER		7	4-348-542-00	TERMINAL (A), BATTERY	
3	4-361-945-00	COVER, BATTERY		8	4-348-543-00	TERMINAL (B), BATTERY	
4	4-361-943-00	PANEL, FRONT, COMMANDER		9	*:1-608-613-00	R1 BOARD	
5	4-361-944-21	SHEET, RUBBER		10	*:1-608-614-00	R2 BOARD	
				11	A-1470-625-A	COMMANDER ASSY (RM-635)	1~10

R1 R2

## 5. ELECTRICAL PARTS LIST

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

## CAPACITORS

- MF :  $\mu$ F, PF :  $\mu$ PF

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

## RESISTORS

- All resistors are in ohms

When indicating parts by reference number, please include the board name.

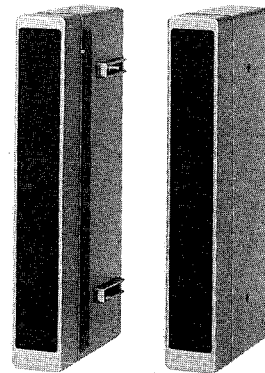
Ref.No.	Part No.	Description	Remark
	*1-614-569-11	R1 BOARD *****	
	4-348-542-00	TERMINAL (A), BATTERY	
	4-348-543-00	TERMINAL (B), BATTERY	
		CAPACITOR	
C01	1-161-315-00	CERAMIC 220PF 10% 50V	
C02	1-161-315-00	CERAMIC 220PF 10% 50V	
		FILTER	
CF01	1-527-476-00	OSCILLATOR, CERAMIC	
		IC	
IC01	8-759-600-07	IC M50119P	
		TRANSISTOR	
Q01	8-729-378-84	TRANSISTOR 2SD788	
		*****	
	*1-614-570-11	R2 BOARD *****	
		DIODE	
D01	8-719-900-23	DIODE GL-2AR1	
D02	8-719-107-82	DIODE SE303AY	
D03	8-719-107-82	DIODE SE303AY	
		RESISTOR	
R02	1-247-791-00	CARBON 22 5% 1/6W	
R03	1-247-767-00	CARBON 2.2 5% 1/6W	
R04	1-247-767-00	CARBON 2.2 5% 1/6W	



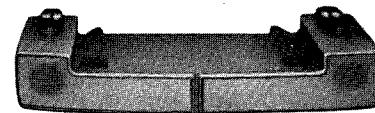
# SS-2732/2734

**KV-2730EC**  
SS-2732/2734/RM-635

## SERVICE MANUAL



SS-2732



SS-2734

November, 1984

### SPECIFICATIONS

#### • SS-2732

<b>Speaker System:</b>	2-way speaker system
<b>Speaker Units:</b>	Woofer: 7.5 x 13 cm cone type Tweeter: 2 cm dome type
<b>Enclosure Type:</b>	Ducted port bass-reflex
<b>Nominal Impedance:</b>	8 $\Omega$
<b>Power Handling Capacity:</b>	30 W (max.)

#### • SS-2734

<b>Speaker System:</b>	2-way speaker system
<b>Speaker Units:</b>	Woofer: 8.7 cm cone type Tweeter: 5 cm cone type
<b>Enclosure Type:</b>	Ducted port bass-reflex
<b>Nominal Impedance:</b>	16 $\Omega$
<b>Power Handling Capacity:</b>	30 W (max.)

Design and specifications subject to change without notice.

### 1. GENERAL

#### • SS-2732

##### Features

- Two-way speaker system consists of a 2 cm tweeter and a 7.5 x 13 cm woofer.
- The bass-reflex enclosure assures a rich bass.
- Low magnetic flux leakage design permits the speakers to be attached to the TV.
- Connection is made by just attaching the speakers to both sides of the TV.

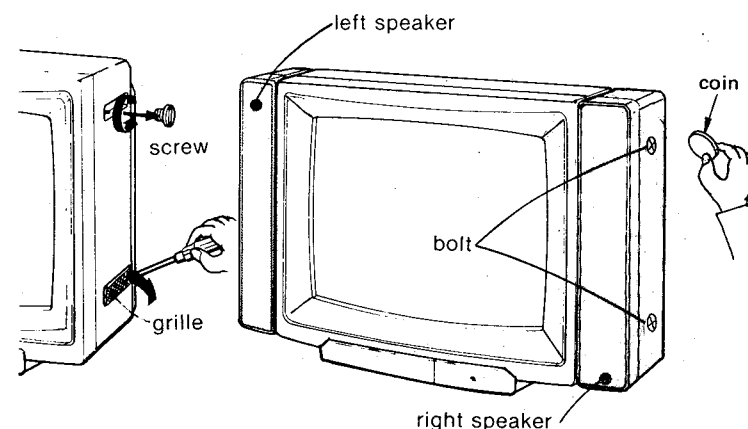
##### Precautions

- Turn off the color TV before connecting the speakers.
- Do not supply the continuous sine wave power of more than 6 watts over a long period of time, otherwise the speakers may be damaged.
- To avoid damaging the speaker system, turn off the color TV when connecting or disconnecting the input equipment.
- Do not attempt to open the enclosure or remove the speaker units. There are no user-serviceable parts inside.
- To maintain the new condition of your speakers, periodically wipe the cabinet with a soft cloth. Do not use any type of scouring powder, abrasive pad or solvent.

#### Attaching the Speaker System to a Sony KV-2730 Series Color TV

Remove the screws and grilles on both sides of the TV using a screwdriver or similar and attach the left and right speakers to each side of the TV by tightening the bolts with a coin as illustrated.

- The left and right speakers can be distinguished by the label at the rear of each speaker.



#### • SS-2734

##### Features

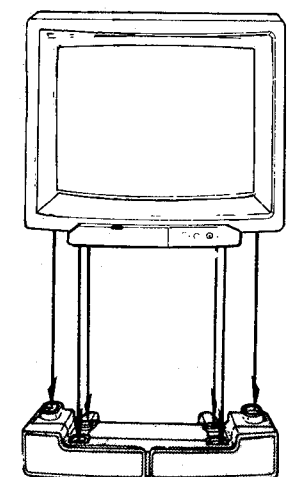
- Two-way speaker system consists of a 5 cm tweeter and a 9.1 cm woofer.
- The bass-reflex enclosure assures a rich bass.
- Low magnetic flux leakage design permits the speakers to be attached to the TV.
- Connection is made by just mounting the TV on the speaker system.

##### Precautions

- Turn off the color TV before connecting the speakers.
- Do not supply the continuous sine wave power of more than 6 watts over a long period of time, otherwise the speakers may be damaged.
- To avoid damaging the speaker system, turn off the color TV when connecting or disconnecting the input equipment.
- Do not attempt to open the enclosure or remove the speaker units. There are no user-serviceable parts inside.
- To maintain the new condition of your speakers, periodically wipe the cabinet with a soft cloth. Do not use any type of scouring powder, abrasive pad or solvent.
- Place the TV connected to the speakers on a level, stable surface.

#### Attaching the Speaker System to a Sony KV-2730 Series Color TV

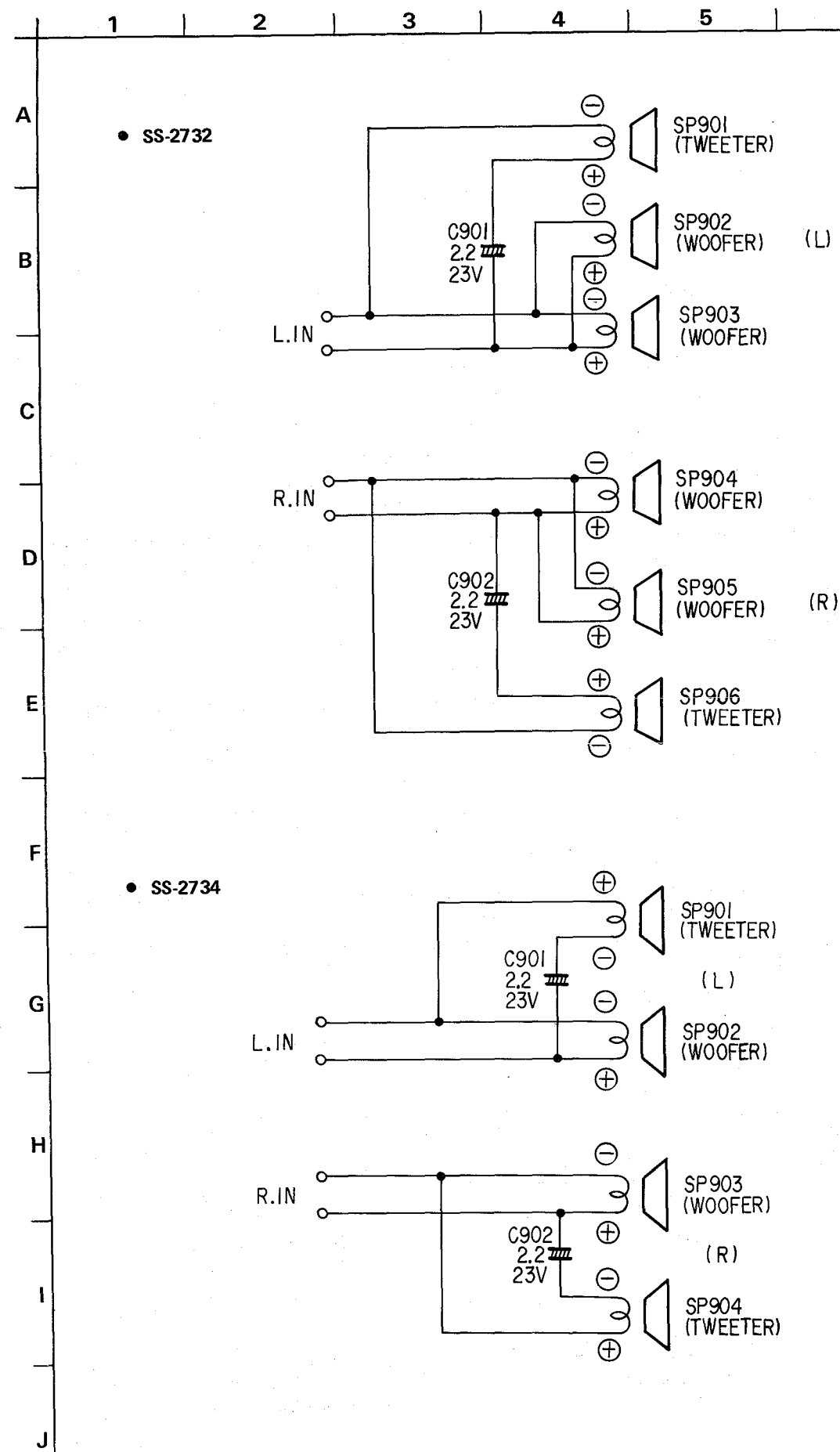
Place the TV on the speaker system as illustrated.



**SPEAKER SYSTEM**  
**SONY®**



## 2. SCHEMATIC DIAGRAM



## 3. EXPLODED VIEWS

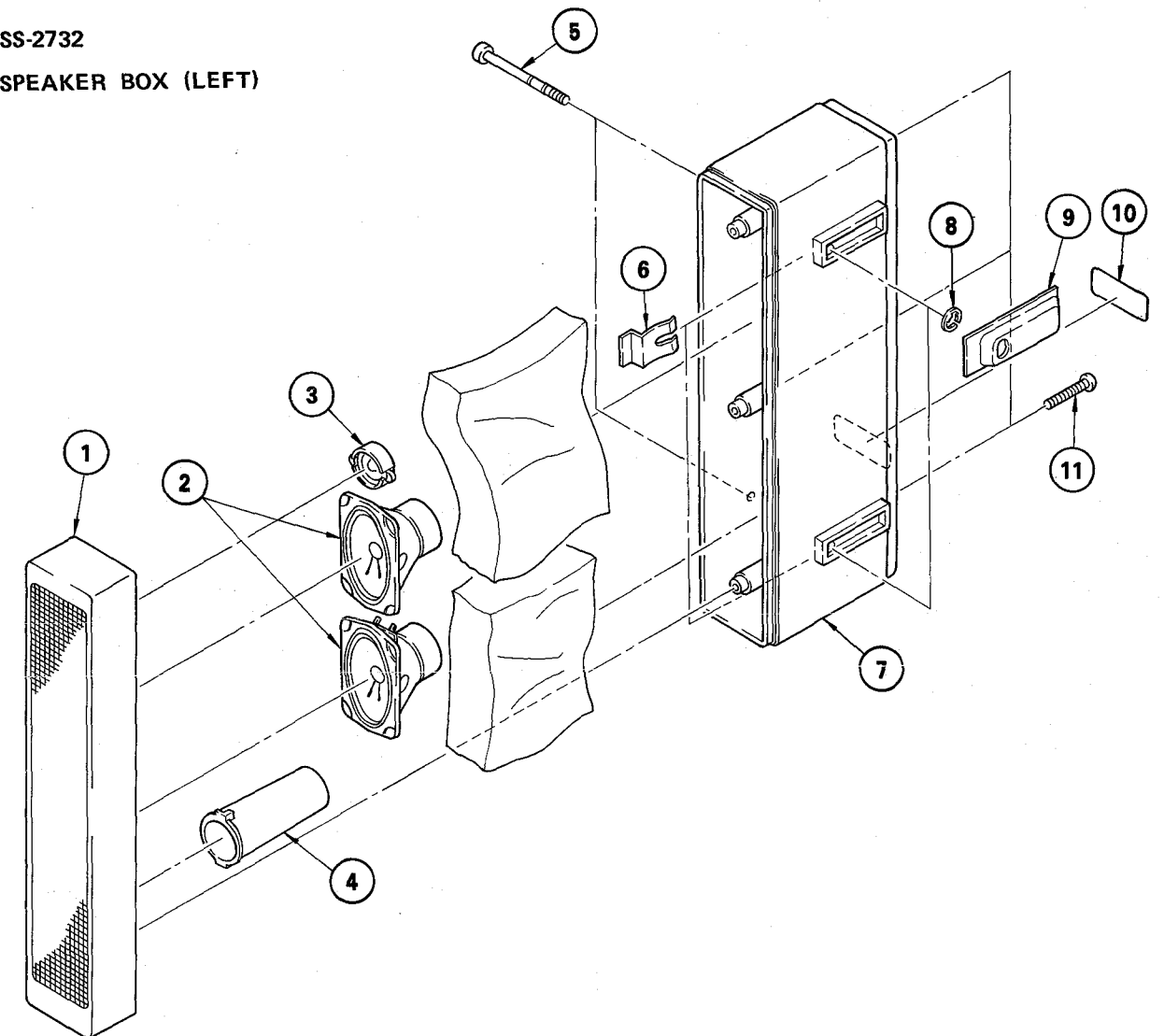
## NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

## SS-2732

## SPEAKER BOX (LEFT)

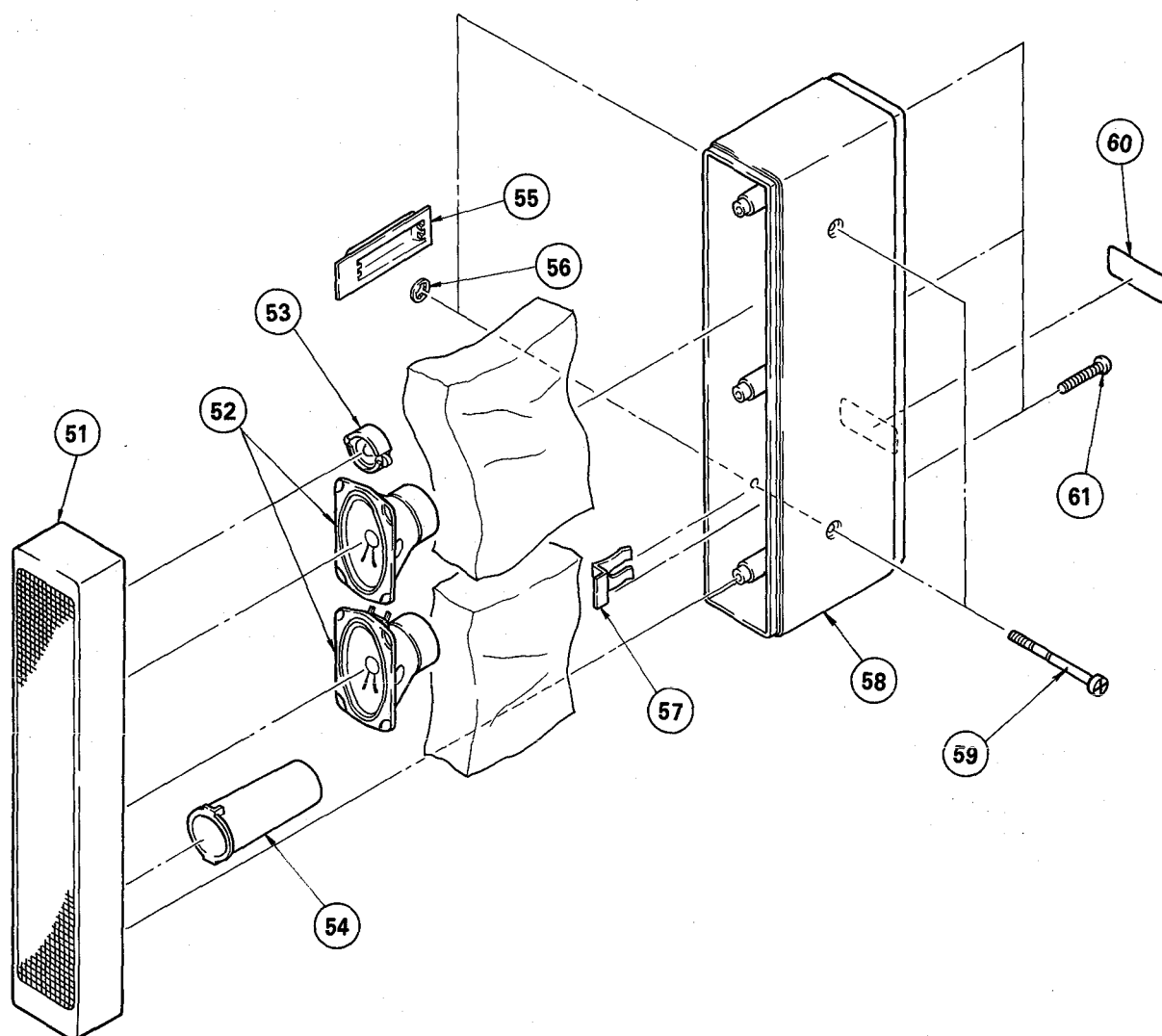


No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-2373-803-1	PANEL (SP SIDE) ASSY, FRONT (FOR GRAY)		7	2-373-831-01	BOX (SIDE), SPEAKER (FOR GRAY)	
2	X-2373-803-2	PANEL (SP SIDE) ASSY, FRONT (FOR WHITE)		8	2-373-831-11	BOX (SIDE), SPEAKER (FOR WHITE)	
3	1-503-441-11	SPEAKER (WOOFER)		9	2-373-833-01	RING, E	
4	★2-373-827-01	SPEAKER (TWEETER)		10	*2-373-829-01	ABSORBENT	
5	*2-373-827-01	TUBE, BASS REFLEX		11	2-373-825-01	LABEL, MODEL NUMBER (LEFT)	
6	2-373-823-01	SCREW, CAP			2-373-824-01	LABEL, MODEL NUMBER (RIGHT)	
	*4-364-810-00	SPRING					



**SS-2732**

**SPEAKER BOX (RIGHT)**



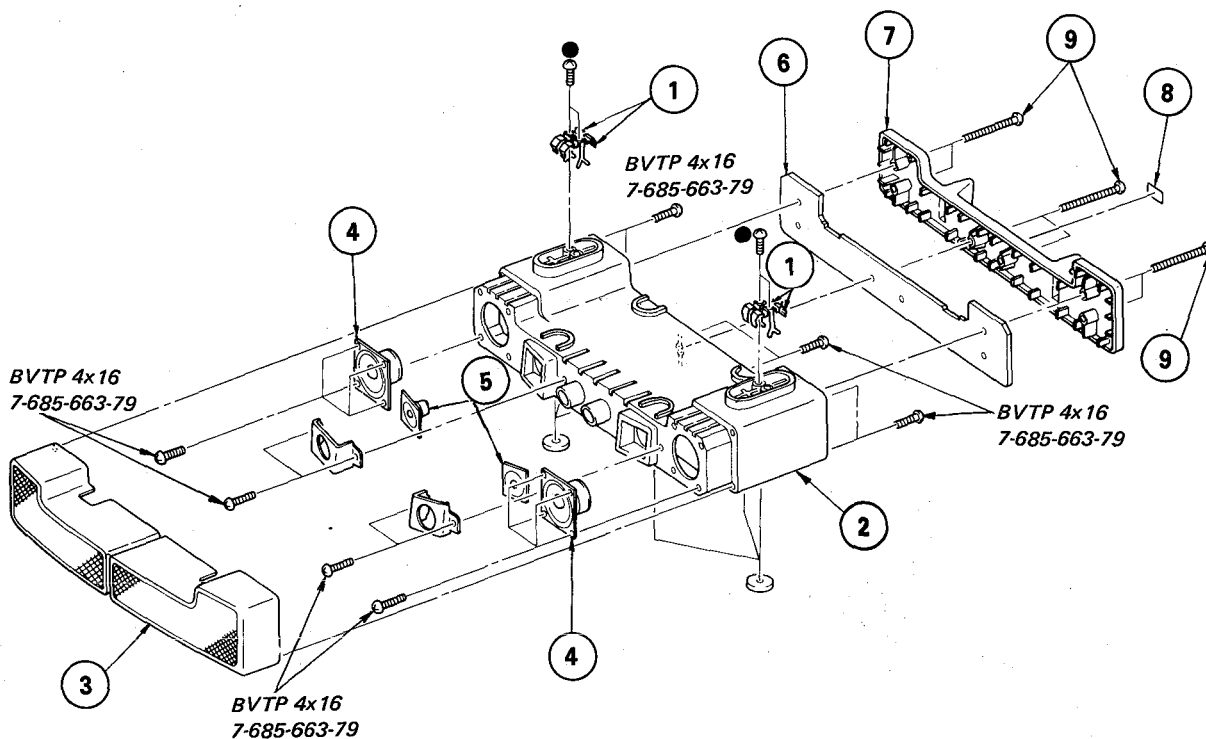
No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	X-2373-803-1	PANEL (SP SIDE) ASSY, FRONT (FOR GRAY)		57	*4-364-810-00	SPRING	
	X-2373-803-2	PANEL (SP SIDE) ASSY, FRONT (FOR WHITE)		58	2-373-831-01	BOX (SIDE), SPEAKER (FOR GRAY)	
52	1-503-441-11	SPEAKER (WOOFER)		58	2-373-831-11	BOX (SIDE), SPEAKER (FOR WHITE)	
53	1-503-459-11	SPEAKER (TWEETER)		59	2-373-823-01	SCREW, CAP	
54	*2-373-827-01	TUBE, BASS REFLEX		60	2-373-826-01	LABEL, MODEL NUMBER (RIGHT)	
55	*2-373-829-01	ABSORBENT		61	2-373-824-01	SCREW (3.9X32)	
56	2-373-833-01	RING, E					



**SS-2734**

**SPEAKER BOX**

●; BVTP 3x12 7-685-648-71



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*2-373-701-00	TERMINAL, SPEAKER		5	1-503-458-11	SPEAKER (WOOFER)	
2	2-373-707-04	BOX, SPEAKER (FOR GRAY)		6	2-373-702-00	BOARD, REAR	
	2-373-707-12	BOX, SPEAKER (FOR WHITE)		7	2-373-708-11	PANEL, REAR (FOR WHITE)	
3	X-2373-804-1	PANEL ASSY, FRONT (FOR GRAY)			2-373-708-21	PANEL, REAR (FOR GRAY)	
	X-2373-804-2	PANEL ASSY, FRONT (FOR WHITE)		8	4-371-154-01	LABEL, MODEL NUMBER	
4	1-503-314-11	SPEAKER (TWEETER)		9	4-355-242-11	SCREW, TAPPING, +P	



## 4. ELECTRICAL PARTS LIST

## ● SS-2732

Ref.No.	Part No.	Description	Remark
MISCELLANEOUS *****			
C901	1-119-361-00	CAP, ELECT (NONPOLAR) 2.2MF	
C902	1-119-361-00	CAP, ELECT (NONPOLAR) 2.2MF	
SP901	1-503-459-11	SPEAKER (TWEETER)	
SP902	1-503-441-11	SPEAKER (WOOFER)	
SP903	1-503-441-11	SPEAKER (WOOFER)	
SP904	1-503-441-11	SPEAKER (WOOFER)	
SP905	1-503-441-11	SPEAKER (WOOFER)	
SP906	1-503-459-11	SPEAKER (TWEETER)	

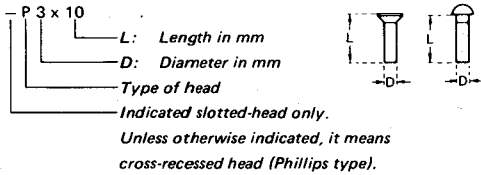
## ● SS-2734

Ref.No.	Part No.	Description	Remark
MISCELLANEOUS *****			
C901	1-119-361-00	CAP, ELECT (NONPOLAR) 2.2MF	
C902	1-119-361-00	CAP, ELECT (NONPOLAR) 2.2MF	
SP901	1-503-314-11	SPEAKER (TWEETER)	
SP902	1-503-458-11	SPEAKER (WOOFER)	
SP903	1-503-458-11	SPEAKER (WOOFER)	
SP904	1-503-314-11	SPEAKER (TWEETER)	

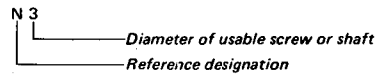


## HARDWARE NOMENCLATURE

Screw:



Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
<b>SCREWS</b>			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		braizer-head screw	

Reference Designation	Shape	Description	Remarks
<b>SELF-TAPPING SCREWS</b>			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
<b>SET SCREWS</b>			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
<b>NUT</b>			
N		nut	
<b>WASHERS</b>			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
<b>RETAINING RINGS</b>			
E		retaining ring	
G		grip-type retaining ring	

**Sony Corporation**